

# AUTHOR INDEX

(Names appearing in capital letters indicate authors of chapters in this volume.)

## A

Abel-Smith, B., 345, 354  
 Abernethy, M., 206  
 Abodeely, R. A., 76, 78  
 Abrams, D. B., 442, 449, 450, 460, 465  
 Abrutyn, E., 378  
 Ackerman, B. D., 211  
 Adams, P. Jr., 380  
 Adamsons, K., 211  
 Aday, L. A., 79, 160, 164-66, 168-72, 176, 179, 346  
 Adeyemi, A. O., 291  
 Agram, S., 445, 449-51, 460  
 Agram, W. S., 439  
 Agustin, A. V., 223, 224  
 Ahangary, S., 376  
 Ahlmark, G., 58  
 Ahrens, E. H., 261  
 Ahrens, F. A., 283  
 Ainger, L. E., 375  
 Aitor, J., 85  
 Akai, K., 364  
 Alberman, E., 243  
 Albrecht, P., 371, 372, 374  
 Albright, K. L., 380, 381  
 Alderman, M. H., 265, 266  
 Alexander, D., 234, 236  
 Alexander, F. W., 280  
 Alexander, J. K., 265, 268  
 Algera, G., 65  
 Ali, V. M., 364  
 Allen, J. C., 364  
 Allgaier, A., 13  
 Alm, J., 224  
 Altman, L., 134  
 Altman, R., 375  
 ALTMAN, S. H., 117-43  
 Altschuler, B., 187  
 Alvares, A. P., 281, 283  
 Ambrose, J. A., 238  
 Ames, B. N., 244  
 Ammann, A. J., 226  
 Amren, D. P., 377, 378  
 Andersen, R., 79, 164, 176, 346  
 Anderson, A., 124  
 Anderson, D. O., 348  
 Anderson, E., 379  
 Anderson, J. A., 374  
 Anderson, K. E., 281, 283  
 Anderson, M. C., 135, 138  
 Anderson, O. W., 79  
 Anderson, R., 160, 164-66, 168-72, 179  
 Anderson, R. C., 380  
 Anderson, R. E., 177  
 Anderson, R. M., 101, 102, 110  
 Anderson, S. G., 375

Andiman, W. A., 378  
 Andresko, M. A., 210  
 Andrews, J. M., 108  
 Angle, C. R., 281  
 Apostolides, A. Y., 261  
 Appelbaum, E., 380  
 Appelt, H., 444, 449-51, 458, 464  
 Applegate, W. B., 126  
 Arap Siongok, T. K., 110, 111  
 Arbeter, A. M., 373  
 Arbutyn, E., 376  
 Argyris, C., 438  
 Arica, P., 18  
 Arita, I., 367  
 Armante, R., 380  
 Armitage, P., 191  
 Arms, S., 7, 9  
 Armstrong, G., 380  
 Arno, A., 84, 86  
 Arnold, F. A., 75  
 Arnold, F. A. Jr., 75  
 Arquedas, J. A., 380  
 Artenstein, M. S., 375  
 Arthur, J. H., 364, 373  
 Ash, M. M., 84  
 Asmussen, I., 206  
 Asscher, A. W., 34  
 Ast, D. B., 75, 87  
 Ast, O., 373  
 Attala, R., 284  
 Au, W. Y. W., 212  
 Aub, J. C., 279  
 Aubry, F., 418  
 Aula, P., 234  
 Austin, S. M., 375  
 Austrian, R., 226  
 Avellar, E. C., 4, 10  
 Averill, R. F., 131  
 Axelsson, P., 78, 81, 86  
 Ayeni, O., 311  
 Ayers, P., 84  
 Ayres, R. E., 191  
 Azen, C., 220  
 Azimi, P. H., 380  
 Azrin, N. H., 439

## B

Bachmann, C., 238  
 Baer, E., 150  
 Baer, P. E., 466  
 Bagramian, R. A., 76, 78, 81  
 Baile, W. F., 447, 449, 450, 466  
 Bailey, A., 34, 375  
 Bailey, R. M., 138  
 Bair, C. W., 135, 138  
 Baird, R. L., 226  
 Baldesarini, R. J., 283

Balfour, C. L., 375, 377  
 Balfour, H. H. Jr., 375, 377, 378  
 Ballard, R. A., 13, 15  
 Balogh, J., 3  
 Balogh, R., 283, 284, 289  
 Balogh, R. W., 284, 287, 290  
 Banatvala, J. E., 375-77  
 Bandura, A., 434, 435, 439, 454, 457  
 Banks, V. S., 59  
 Bannerman, D. M., 234, 243  
 Bannerman, R. M., 235  
 Banta, H. D., 8  
 Banting, D. W., 83  
 Baric, L., 434  
 Barid, S. J., 372  
 Baringer, J. R., 375  
 Barker, D. J. P., 34  
 Barkin, R. M., 370  
 Barltrop, D., 281  
 Barnea, B., 376  
 Barnes, E. K., 375  
 Barnes, G., 85  
 Barrand, N., 16  
 Barrett, P., 284, 288, 290  
 Barron, A. L., 364  
 Barthel, W. F., 284, 287, 290  
 Barwick, K. D., 447, 449, 450, 455, 457  
 Basillico, F. C., 364  
 Bass, C. C., 85  
 Bass, F., 434  
 Bass, J. W., 373  
 Baster, N., 308  
 Bastien, S., 459  
 Bates, B., 39  
 Battifora, H. A., 290  
 Battistini, V., 282  
 Bauman, F., 461  
 Bawden, J. W., 74  
 Baylet, R., 307, 333  
 Beaglehole, R., 270  
 Beamish, W. E., 364  
 Bean, J. A., 370  
 Beasley, R. P., 376  
 Beattie, A. D., 292  
 Beatty, J., 433  
 Beauchamp, D. E., 254  
 Beck, N. C., 6  
 Becker, D. M., 282  
 Beckers, C., 223-25  
 Becklake, M. R., 418  
 Beckman, G., 291  
 Beckman, L., 291  
 Bell, B. D., 39  
 Bell, W. B., 281  
 Belle, E., 375, 377  
 Bendheim, P., 410

## 474 AUTHOR INDEX

- Benfari, R. B., 435  
 BENFARI, R. C., 431-71; 436  
 Bennett, A. E., 337, 401-3, 405,  
 419, 422, 423  
 Bennett, B. L., 368  
 Benson, F. B., 417  
 Benson, H., 433, 460  
 Berenberg, W., 356  
 Berg, R. L., 303  
 Bergner, L., 58  
 Berkman, L. F., 3, 4, 269  
 Berkson, D. M., 262  
 Berlow, S., 220, 222  
 Bernard, A., 281  
 Bernat, J. L., 364  
 Bernhardt, B., 235  
 Bernstein, J. E., 44  
 Berry, A. C., 243  
 Best, J. M., 375-77  
 Bianco, S., 376  
 Bibby, B. G., 78  
 Bice, T. W., 304  
 Bickel, H., 220, 222  
 Biderman, A. D., 309  
 Bierman, E. L., 258, 261, 269  
 Bierssteker, K., 421  
 Bigelow, G. E., 443, 449, 455  
 Bigler, L., 204  
 Bird, B. L., 170  
 Bisbee, G. E. Jr., 131  
 Bishop, W., 126  
 Biano, A., 379  
 Bistrilan, B., 380  
 Black, D. A. K., 330  
 Black, F. L., 374, 378  
 Blackburn, H., 431  
 Blair, D. C., 364, 371, 373  
 Blakeman, G. J., 373  
 Blattner, R. J., 375  
 Bleyer, W. A., 212  
 Blinick, G., 211  
 Block, G., 413  
 Blomberg, J., 381  
 Bloom, F. E., 281, 283, 293  
 Bloom, H., 279  
 Bloom, J. E., 373, 375  
 Bloom, L. J., 442, 449  
 Bloomquist, G., 188, 193  
 Blunt, S., 243  
 Boan, J. A., 138  
 Bobrow, M., 236  
 Bochkov, N. P., 241, 243  
 Bodecker, C. F., 74  
 Bodenheimer, M. M., 59  
 Bodian, D., 364  
 Boisaubin, E. V., 124, 134, 136  
 Bojanini, J., 76, 78  
 Bolton, A. E., 235  
 Bombardier, C., 40, 41  
 Bonanno, D. E., 364, 373  
 Bond, M. G., 62  
 Bongiorno, J. R., 413  
 Bonita, A. J., 83  
 Bonny, H., 461  
 Bonow, B. E., 77  
 Borgoño, J. M., 380  
 Borhani, N. O., 269, 270  
 Borteyru, J. P., 202  
 Borzymowska, J., 222  
 Bostock, J., 145, 146  
 Böttiger, M., 368, 378  
 Boudoux, P., 224, 225  
 Boudreau, G. E., 76  
 Boué, A., 375, 376  
 Boué, J. G., 375  
 Bowman, R. E., 281, 293  
 Boxerbaum, B., 380  
 Boyer, K. M., 373  
 Boyland, E., 290  
 Bozkowa, K., 222  
 Brackett, R. G., 375  
 Bradley, D. J., 109  
 Bradley, W., 403, 404  
 Brainerd, H. D., 364, 380  
 Brand, R. J., 253  
 Brandling-Bennett, A. D., 375,  
 378, 379  
 Bransley, R. D., 375, 377  
 Brasch, R. C., 272  
 Braun, J., 10, 11  
 Braverman, M. M., 403  
 Breitrose, H., 265, 268  
 Brennan, L. A. Jr., 261  
 Brennan, M. J. W., 282  
 Breslow, L., 25, 259, 271, 272  
 Brett, E. M., 225  
 Brickman, A., 380, 381  
 Bridenbaugh, E., 374  
 Bridge, C., 220  
 Brim, O. G., 18  
 Britton, H. A., 374  
 Brizendine, M., 58  
 Brock, D. J. H., 235, 236, 237  
 Brodsky, A. L., 364  
 Brody, J. A., 374, 376  
 Bromberg, S., 408  
 Brook, R. H., 161, 337  
 Brooks, A. G. F., 410, 419  
 Brosious, E. M., 238  
 Brouder, G. T., 6  
 Brough, J. W., 375  
 Brown, B. W. Jr., 265, 268  
 Brown, D. A., 224  
 Brown, D. R., 281  
 Brown, D. Z., 405  
 Brown, E. S., 222  
 Brown, F. R., 374  
 Brown, J., 241  
 Brown, L. R., 72, 76, 77  
 Brown, R., 413  
 Brown, R. A., 443, 449-51,  
 455, 465  
 Brownell, K. D., 445, 446,  
 449-51, 455, 457, 464, 465  
 Bruce, R. D., 192  
 Brudevold, F., 78  
 Brunell, P. A., 380, 381  
 Bruyn, H. B., 380  
 Bryan, W. R., 191  
 Buchet, J. P., 281  
 Buck, S. F., 405  
 Buck, W. B., 291  
 Budai, J., 364  
 Budetti, P., 16  
 Buechley, R. W., 404, 408  
 Buescher, E. L., 375  
 Buist, N. R. M., 223-25, 232  
 Bull, R. J., 282, 293  
 Buller, A. C., 445, 449, 450,  
 455, 464  
 Bullock, B. C., 62  
 Buonocore, M. G., 78  
 Buring, J. E., 185  
 Burk, D., 79  
 Burmeister, L. F., 370  
 Burnham, C. E., 79  
 Burnstein, T., 374  
 Burr, H. B., 39  
 Busby, D. D., 130  
 Buser, F., 364, 375, 377  
 Bush, B. M., 372  
 Bush, J. W., 36, 226  
 Bushnell, P. J., 281, 293  
 Butler, I. J., 220, 364  
 Butler, N. R., 205  
 Butler, P. W., 137  
 Butt, E. M., 280  
 Buynak, E. B., 371, 373, 375,  
 377, 378, 380  
 Byers, R. K., 279, 284, 293  
 Byington, D. P., 374  
 Byrne, E. B., 370, 374-77
- C
- Cabalaka, B., 222  
 Cabasso, V. J., 375, 377  
 Cageorge, S. M., 83  
 Callahan, E. V., 443, 449-51,  
 456, 460, 462  
 Cameron, I. R., 401-3, 405,  
 422, 423  
 Cameron, R., 457, 463, 464  
 Cameron, T. W. M., 103  
 Campbell, B., 40  
 Candelaria, R. M., 280  
 Cantrill, R. C., 282  
 Cantwell, K. T., 75  
 Capron, A. M., 240  
 Caranese, G. J., 380  
 Carkhuff, R., 452  
 Carlos, J. P., 72-74, 76, 81  
 Carlström, G., 376, 378  
 Carney, J. M., 373  
 Carr, D. H., 242  
 Carrillo, B., 380  
 Carroll, M. H., 11, 12  
 Carroll, R. E., 410  
 Carruthers, M., 446, 449, 460

Carson, C. C., 371  
 Carstens, H. B., 380  
 Carswell, F., 282  
 Carter, F., 36  
 Carter, H., 85  
 Case, G. E., 374  
 Cassell, E. J., 18  
 Castelli, W. P., 61  
 Casto, B. C., 291  
 Castro, A. E., 374  
 Catchings, S., 262  
 Cates, M., 291  
 Cautela, J. R., 464, 465  
 Cederlof, R., 416  
 Cerini, C. P., 375, 377  
 Cerkovnij, G., 313  
 Chadwick, E., 269  
 Chalmers, I., 7, 17  
 Chalmers, T. C., 356  
 Chambers, G., 234, 240  
 Chambers, L. A., 402  
 Champagne, D. S., 20  
 Champin, S., 465  
 Chan, L.-Y., 23  
 Chandor, S. B., 375, 379  
 Chaney, M. D., 212, 213  
 Chang, C., 220  
 Chang, T. W., 364, 376, 378  
 Chapman, B. L., 57  
 Char, D. F. B., 375, 377  
 Chard, T., 34, 35  
 Charters, W. J., 85  
 Chase, G. A., 131  
 Chattopadhyay, A., 280  
 Chavez, C. J., 210  
 Cheek, D. B., 461  
 Chen, H., 415  
 Chen, K. P., 376  
 Chen, M. M., 36, 226  
 Chernesky, M. A., 372  
 Cherry, J. D., 370-73  
 Chesney, R. W., 281, 283  
 Chiang, C. L., 304  
 Chiaramonte, L. T., 413  
 Child, C. G., 356  
 Childs, A. W., 137  
 Chilton, N. W., 83  
 Chin, G. Y., 176  
 Chin, J., 375  
 Chin, M., 446, 449-51, 455, 458, 464  
 Ching, F. M., 373  
 Chinn, S., 419  
 Choate, M. S., 284, 285, 290  
 Choi, S. C., 370  
 Chong, J. C., 86  
 Chu, K. C., 191  
 Ciocco, A., 403  
 Citron, D. S., 126  
 Clark, C. A., 81  
 Clark, E. M., 193  
 Clark, J., 284, 287, 288  
 Clark, D., 419

Clark, T. W., 39  
 Clarkson, T. B., 62  
 Clasen, R. A., 290  
 Clausen, J. L., 418  
 Clayton, B. E., 230, 280, 284, 287  
 Clayton, G. D., 403  
 Cleary, P. D., 433  
 Clow, C. I., 230, 238  
 Cobb, L. A., 58  
 Cobb, S., 434, 437  
 Cochran, W., 376  
 Cochrane, A. L., 40, 41  
 Coevering, R. V., 234, 243  
 Cohen, A. A., 408  
 Cohen, B., 76  
 Cohen, B. L., 192  
 Cohen, C., 442, 449, 450, 460  
 Cohen, C. A., 418  
 Cohen, H. I., 374  
 Cohen, M., 241  
 Cohen, P., 23, 24  
 Cohen, R., 444, 449-51, 458, 464  
 Cohen, R. D., 304  
 Cohen, S. I., 400, 402  
 Cole, P., 185  
 Coleman, M., 226  
 Collen, M. F., 37, 39, 40  
 Colley, J. R. T., 34, 35, 416  
 Collins, E., 375, 377  
 Colman, G., 76  
 Colombo, J. P., 238  
 Comar, C. L., 184, 194  
 Concha, F., 380  
 Connaughton, J. F., 211  
 Connolly, J., 224  
 Connolly, J. H., 374  
 Conrad, J. L., 370, 381  
 Conradi, S., 284  
 Cons, N. C., 76, 87  
 Coodin, J., 151  
 Cooke, G. M., 170  
 Cooper, B. S., 187  
 Cooper, J. K., 137  
 Cooper, L. Z., 375-77  
 Cooper, R., 53  
 Cooper, W. C., 290  
 Coppersmith, S. B., 87  
 Corey, R., 464  
 Cormier, L., 456-59, 462, 465  
 Cormier, W., 456-59, 462, 465  
 Cornfield, D., 375, 377  
 Cornfield, J., 257, 268  
 Cortez, M., 375  
 Corwin, R. M., 371  
 Cotton, R. G. H., 221  
 Coulombe, J. T., 221, 230  
 COUSINS, N., 93-99; 4  
 Cowan, M. J., 226  
 Craddock-Watson, J. E., 378  
 Craig, J. L., 39  
 Craig, J. M., 380

Craig, J. P., 212, 213  
 Craighead, I. B., 419  
 Cramblett, H. G., 380  
 Crasileck, H. B., 461  
 Craven, J., 21  
 Cravioto, J., 285  
 Creason, J. P., 417  
 Cremer, N. E., 375  
 Cristea, G., 410  
 Crocker, A. C., 222  
 Crocker, T. D., 405  
 Croft, D. B., 284, 287  
 Crofton, H. D., 102  
 Cromwell, J., 169  
 Crown, V., 434  
 Crowther, E. C., 20, 22  
 Crump, K. S., 191  
 Cuckle, H. S., 236  
 Cugliani, A., 131  
 Cumming, R. L. C., 282  
 Cummings, D., 241  
 Cummings, J. N., 284  
 Cunliffe, A. C., 364  
 Cunningham, A., 151  
 Cunningham, G., 220, 238  
 Cunningham, G. C., 221  
 Curran, J. P., 466  
 Curran, W. J., 364  
 CUSHNER, I. M., 201-18  
 Cutler, J. L., 37, 40, 338  
 Cutler, M. G., 282  
 Cypress, R. H., 190

# D

Dales, L. G., 40  
 Dallaire, L., 234  
 Dallas, J., 231  
 Daly, J. J., 364  
 Danaher, B. G., 209  
 Dancia, J., 228  
 Dandoy, S., 371  
 Daniels, M., 137  
 Danks, D. M., 221  
 Dart, R. E., 75  
 Davenport, E. J., 139  
 Davey, P. R., 380  
 David, B., 405  
 David, O. J., 284, 287, 288  
 Davidson, B., 227, 282  
 Davidson, K. M., 443, 449, 450, 453, 460, 464  
 Davies, D. P., 206  
 Davies-Avery, A., 337  
 Davis, C. E., 270  
 Davis, E. W., 405  
 Davis, G., 224  
 Davis, J. H., 371  
 DAVIS, K., 159-82; 160-62, 174-76, 179  
 Davis, L. E., 364  
 Davis, W. J., 375-77  
 Davis-Avery, A., 161

## 476 AUTHOR INDEX

- Davison, G., 453, 458, 462, 464  
 Dawber, T. R., 61, 262  
 Dean, H. T., 75  
 Deane, G., 364  
 Deane, M., 413  
 Decantecco, E. T., 463  
 DeJonge, G. A., 224  
 de la Burd , B., 284, 285, 290  
 Delahunt, C. S., 378  
 Delahunt, J., 466  
 Delange, F., 223-25  
 Delbanco, T. L., 135  
 DeLee, J., 5  
 Deleo, J., 459  
 DeLong, H. F., 380  
 DeLozier, J., 134  
 DeLuca, H. F., 281, 283  
 Delves, H. T., 280, 284, 287  
 DeMuth, C. C., 193  
 dePan, R. M., 378  
 Der, R., 291  
 Deseda-Tous, J., 373  
 Desmond, M. M., 375  
 DesRosier, S., 378  
 Detels, R., 376  
 Devitt, N., 1, 4, 5, 10  
 DeVries, R. G., 12  
 De Wilde, H., 74  
 Dick-Read, G., 6  
 Dickson, D., 239  
 Dickstein, B., 380  
 Didio, S. L., 280  
 Diehl, A. M., 380  
 Dilling, L. A., 151  
 Di Matteo, M. R., 436  
 Dine, M. S., 373  
 Dingwall-Fordyce, I., 290  
 DiPaolo, J. A., 291  
 Diwan, A. R., 375-77  
 Dixon, R. H., 137  
 Dixter, C. T., 83  
 Dobell, H., 31  
 Dobson, J. C., 220  
 Dodson, W. E., 374  
 Dolcourt, J. L., 285  
 Doli, R., 191  
 Donabedian, A., 124  
 Donager, D. C., 191  
 Donald, C. A., 161, 337  
 Donald, J. C., 380  
 Donaldson, M. S., 136  
 Donath, R., 376, 377  
 Donnell, G. N., 229  
 Donnell, H. D. Jr., 372  
 Donovan, J. W., 208  
 Dorner, S., 225  
 Dorsey, J. L., 135  
 Dossett, S. M., 98  
 Dougherty, W. J., 375  
 Doughty, J. H., 219  
 Douglas, B. L., 87  
 Douglas, R. D., 378  
 Downie, A. W., 364, 373  
 Downs, H., 370  
 Doyle, J., 86  
 Doyle, N., 226  
 Dozy, A. M., 226, 228, 234  
 Drachman, R. H., 374  
 Dreizen, S., 72, 76, 77  
 Driscoll, W. S., 80, 81  
 Drolette, B. M., 403  
 Duczynska, N., 222  
 Dudgeon, J. A., 364, 375, 377  
 Dudley, J. P., 373  
 Duel, W. C., 402  
 Duff, J. F., 44  
 Dukes, C. E., 290  
 Dull, H. B., 371  
 Dumars, K., 235  
 Dunbar, J. M., 450  
 Duncan, D. B., 267  
 Dunkel, L. D., 210  
 Dunning, J. M., 74, 79, 84  
 DuPan, R. M., 375, 377  
 Durand, B., 373  
 Durham, W. H., 412  
 Dussault, J. H., 223-25  
 Dustin, R., 453, 455, 457, 462  
 Dutton, D., 163, 168, 169  
 Dutton, D. B., 126, 134  
 du Ve Florey, C., 375  
 Dzierba, J., 375
- E**  
 EAKER, E., 431-71; 436  
 Ean, V. H., 219  
 Ebbin, A. J., 375, 379  
 Ebersole, T. M., 12  
 Eddins, D. L., 370, 375, 378, 379  
 Edelman, C. K., 375, 377  
 Edinger, J. D., 443, 449, 450, 455, 460, 464  
 Edlavitch, S. A., 258  
 Ehrenkranz, N. J., 375, 377  
 Ehrenreich, B., 5  
 Eilard, T., 376  
 Eisenberg, M. S., 58  
 Eknoyan, G., 124, 134, 136  
 El Alamy, M., 111  
 Elizan, T. S., 378  
 Eller, J. J., 364, 373  
 Ellestad-Sayed, J., 151  
 Elliott, A., 419  
 Ellis, A., 462, 463  
 Ellwood, P. C., 206  
 Elsea, W. R., 364  
 Elson, K. A., 39  
 Elson, K. D., 39  
 Elveback, L. R., 59  
 Elvove, E., 75  
 Elwood, J. H., 235  
 Elwood, J. M., 235  
 Elwood, P. C., 34  
 Emmons, J. E., 378  
 Emmons, R. W., 371  
 Enders-Ruckle, G., 371, 374  
 Engel, B. T., 447, 449, 450, 466  
 Englander, H. R., 76  
 English, D., 5  
 Enkin, M. W., 15  
 Ennis, F. A., 371, 372, 375-77  
 Enterline, J. C., 373  
 Entwisle, G., 261  
 Eppele, D., 132, 133, 138, 139  
 Epstein, C. J., 233, 234, 243  
 Epstein, F. H., 258  
 Epstein, L. H., 447, 449, 450, 455, 466  
 Epstein, S., 437  
 Erickson, J. D., 79  
 Erickson, M. H., 461  
 Ericson, J. E., 293  
 Ericsson, J., 76, 77, 80  
 Ermans, A. M., 224, 225  
 Ernhart, C. B., 284, 286, 290  
 Ernst, E.K.M., 10, 12  
 Ernst, R., 137  
 Ersser, R. S., 230  
 Ettner, F. M., 10  
 Evans, C. A., 79  
 Everberg, G., 380  
 Evrard, J. R., 379  
 Ewart, F. G., 282
- F**  
 Fabyi, A., 378, 380  
 Fabsitz, R. R., 272  
 Fagraeus, A., 368  
 Fahim, M. S., 291  
 Fairhall, L. T., 279  
 Falek, A., 243  
 Falk, H. L., 402  
 Fannin, S. L., 372  
 FARFEL, M. R., 219-51  
 Farinaro, E., 262  
 Farkas, G. M., 434  
 Farquhar, J. D., 375, 377  
 Farquhar, J. W., 265, 268, 445, 449-51, 460  
 Farr, M. M., 12  
 Farrand, M., 262, 264  
 Fasler, J. J., 371  
 Fears, T. R., 191  
 Federspiel, C. F., 375-77  
 Feeney, J. J., 126  
 Feigin, R. D., 364, 370, 372  
 Fein, B. T., 374  
 Feingold, E., 211  
 Feinleib, M., 37, 60, 61, 264, 272  
 Feldman, H. A., 371, 375, 377  
 Feldman, J. J., 270, 330  
 Feldman, R., 40  
 Feldman, R. F., 37  
 Feldstein, M. S., 131  
 Felker, J. R., 380

- Ferreyra, A., 375  
 Ferris, B. G., 400-3, 405  
 Ferris, B. G. Jr., 415, 417, 422  
 Ferris, C., 13  
 Fetter, R. B., 131  
 Field, F., 403  
 Field, P. B., 461  
 Fielding, J. E., 208, 431  
 Finger, J. A., 380  
 Fink, K., 283  
 Finkel, A. J., 402  
 Finklea, J. F., 417  
 Finlayson, M. J. W., 292  
 Finn, S. B., 73, 74  
 Finnegan, L. P., 211  
 Fintz, J. B., 81  
 Firket, J., 403  
 Fischbein, A., 281, 283  
 Fischer, G. W., 373  
 Fishelson, G., 412  
 Fisher, C. R., 173, 174, 177  
 Fisher, D. A., 36, 223, 224  
 Fishler, K., 229  
 Flagle, C. D., 40  
 Fleet, W. F. Jr., 376  
 Fleming, G. V., 79, 160,  
 164-66, 168-72, 179  
 Florey, C. du V., 401-3, 405,  
 419, 422, 423  
 Flynn, R. E., 98  
 Flynt, J. W., 243  
 Fogel, A., 376  
 Fogleman, D. G., 411  
 Foley, B., 223  
 Foley, T. P. Jr., 223-25  
 Ford, D. K., 375  
 Ford, J. O., 209  
 Foreyt, J. P., 466  
 Forfar, J. O., 212  
 Forrest, J. M., 375, 377  
 Forrester, D. J., 78  
 Forsgren, M., 376, 378  
 Fors, M., 207  
 Fosdick, R. B., 105  
 Fox, J. P., 368, 370  
 Fox, R. M., 443, 449-51, 455,  
 465  
 Francis, I., 224  
 Frank, J. D., 439, 452, 453  
 Frank, J. E., 87  
 Frankel, B. L., 444, 449, 450,  
 460  
 Franti, C. E., 269  
 Fraser, A. C., 210  
 Frazier, P. J., 76, 86  
 Frazier, T., 134  
 Frech, H. E., 138  
 Freeborn, D. K., 126  
 Freeburg, L. C., 184, 190  
 FREED, J. R., 71-92; 81, 86  
 Freedberg, E. J., 444, 449, 450,  
 459, 464  
 Freeman, H. E., 18  
 Freeman, J. L., 131  
 Freeman, R., 15, 58  
 Friberg, L., 416  
 Friberg, L. T., 402, 405  
 Friebe, M. K., 221  
 Friedell, G. H., 185  
 Friedman, B., 174  
 Friedman, G. D., 40, 59  
 Friedman, H., 371, 372  
 Friedman, J. P., 376  
 Friedman, M., 253  
 Friedman, S., 375  
 Friedman, Z., 8, 223  
 Friedwald, W. T., 444, 449,  
 450, 460  
 Frost, G. J., 223, 225  
 Frye, J. B. Jr., 75  
 Frye, W. W., 75  
 Fuccillo, D. A., 374  
 Fulginiti, V. A., 364, 373, 380  
 Fuste, F., 375  
  
 G  
 Gaarder, K. R., 444, 449, 450,  
 460  
 Gafafer, W., 403  
 Gaffey, W. R., 290  
 Gainsborough, H., 6  
 Gainsborough, J., 6  
 Galagan, D. J., 75, 87  
 Galassi, J., 459  
 Galassi, N., 459  
 Gale, J. L., 376  
 Gallatt, H. B., 464  
 Galli, S., 119  
 Gallin, R. S., 336  
 Gambill, G. L., 126  
 Gandy, T. K., 364  
 Ganguly, R., 375-77  
 Garcia, J. A., 58  
 Gardner, W. M., 376  
 Gardner-Medwin, D., 232  
 Garfinkel, J., 87  
 Garland, M. J., 16  
 Garrad, J., 337  
 Garside, D., 53  
 Garst, C. C., 79, 84  
 Gartner, L. M., 3  
 Gates, H., 188, 193  
 Gavanescu, O., 291  
 Gavett, J. W., 131, 139  
 Gaylor, D. W., 187  
 Geden, E. A., 6  
 Gedoon, C., 242  
 Gehlbach, S. H., 280, 375  
 Geiger, S. R., 402  
 Geittman, W. F., 376  
 Gelfand, H. M., 364  
 Gennser, G., 207  
 Gent, M., 412  
 George, B. L., 372  
 George, R., 453, 455, 457, 462  
 Gerald, P. S., 241  
 Gerichter, C. B., 376  
 German, P. S., 131  
 Gersony, W. M., 380  
 Gersten-Woolf, N. B., 211  
 Geaner, N. B., 43  
 Gester, W. M., 333  
 Giandelja, J., 379  
 Gibbs, G. W., 418  
 Gibson, E. S., 35  
 Gibson, J. L., 279  
 Gibson, R. M., 71, 119  
 Giles, J. P., 371, 372, 375-77  
 Gilfillan, S. C., 278  
 Gillick, D., 234, 243  
 Gillum, R. F., 272  
 Gilman, S., 442, 449, 450, 460  
 Gilmour, T., 280  
 Gilner, F. H., 459  
 Ginsberg, J., 223-25  
 Ginsberg, P. B., 138  
 Gitlin, B. N., 84  
 Gittelsohn, A. M., 74  
 Gitzelmann, R., 229  
 Given, C. W., 336  
 Glaser, B. G., 18  
 Glasgow, L. A., 364  
 Glass, L. H., 371  
 Glasser, M., 404  
 Glavas, J. D., 129  
 Glazer, M., 443, 449-51, 456,  
 460, 462  
 Gleser, G., 283, 284, 289  
 Glickman, I., 85  
 Glueck, C. J., 258, 261, 269  
 Goetz, A. A., 44  
 Gokiert, J. G., 364  
 Golbus, M. S., 233, 234, 243  
 Gold, E., 373  
 Gold, H. E., 380  
 Gold, J. A., 375, 377  
 GOLD, M., 159-82; 119, 134,  
 136, 165  
 Goldberg, A., 282, 292  
 Goldberg, D., 34, 227  
 Goldberg, R., 58  
 Goldblum, N., 375  
 Goldfried, M. R., 453, 458,  
 460, 462-64  
 Goldin, G., 6  
 Goldman, A. S., 151  
 Goldmuntz, L., 188, 193  
 Goldner, H., 371, 373  
 Goldner, M. G., 61  
 Goldschmidt, J., 14  
 Goldsmith, J. R., 400, 402, 405  
 Goldstein, A. P., 453  
 Goldstein, B. D., 196, 419  
 Goldstein, H., 205  
 Goldstein, I. F., 413  
 Goldstein, J. A., 364  
 Goldwasser, R. A., 375  
 Golladay, F. L., 139

## 478 AUTHOR INDEX

- Goodlin, R. C., 7  
 Gordis, L., 177  
 Gordon, D. 3., 220  
 Gordon, K. A., 10  
 Gordon, T., 61, 255-57, 262  
 Gore, A. T., 404, 405  
 Gorer, G., 19  
 Gori, G. B., 191  
 Gorry, G. A., 124, 134, 136  
 Gortmaker, S. L., 8  
 Gotschlich, E., 226  
 Gowing, J., 375  
 Goyer, R. A., 291  
 Graham, C., 318  
 Graham, J. F., 292  
 Graham, P. J., 284, 287  
 Grahnen, H., 77  
 Grand, M. G., 375  
 Grandien, M., 381  
 Grandjean, P., 279  
 Granoff, D. M., 374  
 Grant, D. B., 225  
 Grant, J. P., 304  
 Grant, L. A., 23  
 Grant, L. D., 285  
 Graves, P., 412  
 Graves, R. C., 81  
 Gray, O. P., 206  
 Gray, R. M., 160  
 Grayston, J. T., 376  
 Green, B., 283, 284, 289  
 Green, H. P., 238-40  
 Green, L., 185  
 Greenburg, L., 403, 404  
 Greene, J. C., 83-86  
 Greenland, S., 372  
 Greenlick, M. R., 126  
 Greenwald, P., 170  
 Gregg, M. B., 364  
 Gregg, N. M., 375  
 Greiber, R., 380  
 Grennert, L., 207  
 Gretskey, N. E., 231  
 Griffin, D. E., 374  
 Griffin, W. T., 291  
 Grillner, L., 376, 381  
 Grobstein, C., 184  
 Gross, P. A., 371  
 Grossi, M., 227  
 Grossman, M., 364  
 Grover, P. L., 290  
 Grover, R., 227  
 Grubel-Kaiser, S., 222  
 Gruss, L., 3  
 Guggenheim, M. A., 364  
 Gunnoe, C. G., 284, 288, 290  
 Gurda, R. F., 222  
 Gustafsson, B. E., 77  
 Guterman, A. V., 234  
 Guthrie, R., 220, 221, 238  
 Gutman, L., 376  
 Guyda, H., 223, 225  
 Guyda, M., 223, 224  
 Guyer, B., 372, 379  
 Guzick, D. S., 171
- ## H
- Haas, E. J., 364  
 Haber, L. D., 337  
 Haddow, J. E., 235  
 Hagard, S. M., 36  
 Haire, D., 7  
 Halbasch, G., 234, 243  
 Halberg, F., 374  
 Halil, T., 419  
 Hall, A. D., 376  
 Hall, B. D., 234, 243  
 Hall, G. F. M., 364  
 Hall, J. A., 461  
 Hall, J. G., 219  
 Hall, J. H., 42, 43  
 Hall, Y., 262  
 Halicen, W., 375  
 Hallstrom, A., 58  
 Halper, T., 19  
 Halpin, T. J., 372  
 Halsey, N., 370  
 Halsey, N. A., 370, 374  
 Halstead, S. B., 373, 375-78  
 Halvorsen, S., 223, 231, 232  
 Hamerton, J. L., 234, 241  
 Hamilton, A., 279, 291  
 Hamilton, J. P., 378  
 Hamilton, L. D., 184  
 Hamilton, P. J., 61  
 Hamilton, R., 374  
 Hammer, D. I., 409  
 Hammersen, G., 220, 229  
 Hammond, E. C., 186  
 Hamstra, T., 281, 283  
 Hancourt, G. C., 375, 376  
 Handa, A. K., 110  
 Handsheer, R., 376  
 Handyside, A. J., 419  
 Hanes, B., 371  
 Haning, H., 185  
 Hanley, F. W., 461  
 Hanna, L., 364  
 Hansen, H., 222  
 Hansen, M. F., 139  
 Hanson, J. W., 202, 204  
 Haram, K. O., 376  
 Harcourt, G. C., 375-77  
 Hardy, G. E. Jr., 374  
 Hardy, H. L., 291  
 Hardy, J. B., 375  
 Harper, R. G., 211  
 Harris, J. E., 186  
 Harris, R., 77  
 Harris, R. W., 364  
 Harrousseau, H., 202  
 Hartnett, E. M., 375  
 Harvey, B., 371  
 Harvey, C. R., 74, 79, 83  
 Haskell, W. L., 265, 268
- Haspels, A. A., 4, 11  
 Hass, G. M., 290  
 Hass, R. A., 226  
 Hasselblad, V., 409  
 Hatch, M. H., 364  
 Hathaway, W. E., 364  
 Haukenes, G., 376  
 Hauser, P. M., 160  
 Hawes, W. E., 8  
 Hay, S., 243  
 Hayden, G. F., 370, 372, 373, 375, 379, 381  
 Hayes, S. C., 445, 449-51, 455, 457, 464, 465  
 Haynes, R. B., 35, 433, 436, 440  
 Haynes, R. E., 380  
 Hazell, L. D., 10  
 Hebel, J. R., 261  
 Hecht, F., 241  
 Heckerman, C. L., 445, 446, 449-51, 455, 457, 464, 465  
 Heeger, E., 376  
 Heidbreder, G. A., 371  
 Heiderscheit, L. T., 408  
 Heifetz, S. B., 75, 76, 80, 81, 86  
 Heimann, H., 403  
 Hein, H. A., 16  
 Heinen, L. A., 16  
 Heiss, G. E., 270  
 Held, B., 376  
 Held, M., 446, 449-51, 455, 458, 464  
 Held, P. J., 131, 138  
 Helfant, R. H., 59  
 Helle, E.-P., 381  
 Heller, L., 378  
 Henderson, D. A., 366, 367  
 Henderson, J. R., 224  
 Henderson, M., 37, 409  
 Hennessen, W., 364  
 Heinrichsen, J., 226  
 Herd, J. K., 375  
 Hermondsdson, S., 376  
 Hernández, C. G., 380  
 Hernberg, S., 282  
 Herrmann, K. L., 370-72, 375, 376, 378, 379  
 Hershey, J. C., 139  
 Hervada, A. R., 375  
 Hervet, F., 446, 449-51, 455, 458, 464  
 Heymann, D. L., 373  
 Hibbard, L. T., 8  
 Hicks, J. W., 364  
 Hierholzer, W. H., 374  
 Higgins, I. T. T., 415  
 Higgins, M. W., 415  
 Hilderbrand, D. C., 291  
 Hill, G., 224  
 Hill, H. C., 85  
 Hill, R. M., 212, 213

- Hilleman, M. R., 364, 371,  
 373, 375, 377, 378, 380  
 Hinden, E., 380  
 Hingson, R. A., 375  
 Hingston, J., 364  
 Hinman, A. R., 370, 379  
 Hinthorn, D. R., 370, 372  
 Hitchcock, E. S., 231  
 Hobbins, J., 236, 237  
 Hobbins, T. E., 375-77  
 Hobbs, J. R., 34  
 Hodes, D., 380  
 Hodgson, A. Jr., 404  
 Hoel, D. G., 191  
 Hofer, R., 223-25  
 Hoffer, B., 283  
 Hoffman, S. P., 284, 288  
 Hogarth, J., 302  
 Holden, C., 20  
 Holland, B., 41  
 Holland, J., 98  
 Holland, P. M., 41  
 Holland, W. W., 34, 401-3,  
 405, 419, 422, 423  
 Hollen, B. K., 155  
 Hollingsworth, D. R., 225  
 Hollos, I., 364  
 Holm, S. E., 376  
 Holm, V. A., 220  
 Holmes, D. W., 234  
 Holt, K. S., 34  
 HOLTZMAN, N. A., 219-51;  
 220, 221, 228, 229, 237-39  
 Honeyman, M. C., 377  
 Hook, E. B., 234, 240-43  
 Hoopes, M., 456  
 Hoover, R., 185  
 Hopps, H. E., 375, 378  
 Hopwood, N. J., 223, 224  
 Horowitz, A. M., 86  
 Horowitz, D., 444, 449, 450,  
 460  
 Horowitz, H. S., 75, 76, 80, 81  
 Horstmann, D. M., 368,  
 375-78  
 Horta-Barbosa, L., 374  
 Horton, R., 416  
 Horton, R. E., 364  
 Horton, R. J. M., 405, 417  
 Horwitz, M. S., 364  
 Hosford, B., 11  
 Hosford, M. E., 11  
 Hotzman, A. E., 371  
 Hough, J. C., 375  
 Houser, H. B., 110, 111  
 Hovi, T., 381  
 Howard, N. J., 223-25  
 Howe, H. F., 37  
 Howie, V. M., 226  
 Hrubec, Z., 416  
 Hsieh, K. C., 41  
 Hubbard, J. P., 39  
 Hubermont, G., 281  
 Hudson, A. R., 418  
 Hughes, W. T., 380  
 Humbert, J., 227, 228  
 Hung, W., 380  
 Hunt, A. M., 83  
 Hunt, J. C., 261  
 Hunt, P. A., 231  
 Hunter, E. D., 137  
 Hurley, E., 19  
 Hutcheson, R. H., 372, 379  
 Hutchison, T. C., 280  
 Hutt, P. B., 183, 184  
 Huygelen, C., 375, 377, 378  
  
**I**  
 Ibrahim, M. A., 255  
 Illich, I., 18  
 Illig, R., 223-25  
 Infante, P. L., 196  
 Ingall, G. B., 234, 243  
 Ingalls, T. H., 375-77  
 Ingbar, M. L., 234  
 Ingenito, F. E., 413  
 Ipsen, J., 302, 341, 413  
 Irie, M., 224  
 Irwig, L. M., 34  
 Isacson, P., 364, 370  
  
**J**  
 Jabbour, J. T., 374  
 Jackson, D., 75  
 Jackson, E., 364  
 Jackson, J. E., 375, 377  
 Jacobs, A. R., 131, 139  
 Jacobs, K. G., 375  
 Jacobs, M. D., 403  
 Jacobs, M. J., 262, 264  
 Jacobs, P. A., 240-43  
 Jacobsen, J. E., 372  
 Jacobson, E., 459, 462  
 Jacobson, M. E., 61  
 Jadin, J. M., 291  
 Jaffe, F. S., 303  
 Janda, Z., 374  
 Janis, I., 457, 458  
 Janney, J. H., 364  
 Jarrett, R. J., 61  
 Jarvis, R. E., 280  
 Jawetz, E., 364  
 Jaworski, A. A., 374  
 Jaworski, R. O., 374  
 Jazairi, N. T., 307  
 JELLIFFE, D. B., 145-58;  
 145-51, 153-56  
 JELLIFFE, E. F. P., 145-58;  
 145-51, 153-56  
 Jengo, J. A., 58  
 Jenkins, M. E., 226  
 Jennings, M., 135  
 Jenny, J., 76, 77, 86  
 Jensen, S. B., 84  
 Jerez, E., 211  
 Jerge, C. R., 76  
 Jervis, G. A., 368  
 John, H. H., 419  
 John, T. J., 380  
 Johnson, A. L., 35  
 Johnson, C. E., 87  
 Johnson, K. P., 374  
 Johnson, R., 85  
 Johnson, R. T., 374  
 Johnson, S. D., 364  
 Johnson, V. P., 209  
 Johnston, D., 227, 230  
 Johnston, J. E., 75  
 Johnston, S. A., 161, 337  
 Johnston, W. E., 444, 449, 450,  
 459, 464  
 Jones, F., 374  
 Jones, H. W., 241  
 Jones, K. L., 202  
 Jones, S. H., 126  
 Jonsen, A. R., 16  
 Jordan, P., 109, 111, 112  
 Joselow, M. M., 283  
 Joseph, L., 80  
 Joshi, S. R., 291  
 Joyner, J. J., 364  
 Judelson, R. G., 375  
 Jungner, C., 34, 37  
 Just, M., 378  
  
**K**  
 Kahn, L., 135  
 Kalimo, E., 338, 348  
 Kalk, C. E., 133  
 Kallman, C. H., 221  
 Kamin, P. B., 374  
 Kammerer, B., 230  
 Kan, Y. W., 226, 228,  
 234  
 Kane, R. L., 136, 160  
 Kaneko, F., 405  
 Kanfer, F., 465  
 Kanfer, F. H., 435  
 Kannel, W. B., 35, 61, 255-57,  
 262, 268  
 Kantor, S., 405, 415  
 Kaplan, M., 223, 226  
 Kappas, A., 281, 283  
 Karabula, C., 380  
 Karchmer, A. W., 376  
 Karelitz, S., 373, 375, 377  
 Karjalainen, O., 234  
 Karlin, R. A., 461  
 Karoly, P., 465  
 Karzon, D. T., 364, 376  
 Kasl, S., 434  
 Kassanoff, U., 374  
 Kasselberg, A. G., 364  
 Kasteler, J. M., 160  
 Kastenbaum, R. A., 464  
 Kattamis, C., 380



- Katz, M., 375  
 Katz, R. L., 461  
 Katz, R. V., 74  
 Kaufman, S., 220, 221  
 Kawaguchi, Y., 364  
 Kaye, I. S., 380  
 Kazazian, H. H. Jr., 226, 228, 234  
 Kazdin, A. F., 465  
 Kearney, H., 442, 449, 450, 460  
 Keen, H., 61  
 Kellman, N., 16  
 Kelly, J. E., 74, 79, 83, 84  
 Kelly, J. V., 9  
 Kelman, H. C., 439  
 Kelstrup, J., 84  
 Kempe, C. H., 364, 373  
 Kendall, H. W., 190  
 Kendall, M. G., 414  
 Kenders, K., 137  
 Kennedy, H. L., 58  
 Kennedy, J., 404  
 Keanell, J. H., 8, 151  
 Kenney, J. B., 86  
 Kenny, F. M., 223, 224  
 Kenny, M. T., 380, 381  
 Keown, M., 446, 449-51, 455, 458, 464  
 Kerrebijn, K. F., 421  
 Kerr-Grant, D., 375  
 Kessner, D. M., 133, 171, 356  
 Kettys, D. W., 375  
 Kettys, G. D. M., 364, 375  
 Kevany, J., 404  
 Khoo, H. E., 281  
 Kidd, P. H., 37  
 Kim, K. S. W., 376  
 Kimbell, L. J., 138  
 Kimberling, W. J., 241  
 King, F. M., 226  
 King, J., 241  
 King, R. W., 212  
 Kirkman, H. N., 226  
 Kirschstein, R. C., 375  
 Kitagawa, E. M., 160  
 Klarman, H., 138  
 Klaus, M. H., 8, 151  
 Kleczkowski, B. M., 348  
 Klein, A. H., 223, 224  
 Klein, A. M., 224  
 Klein, J. O., 229  
 Kleinman, D., 80  
 Kleinman, J. C., 160-67, 171, 172, 174, 176, 179, 270  
 Klemchuc, H. M., 433  
 Klepach, I., 291  
 Klimt, C. R., 61  
 Kline, J., 234, 241, 243  
 Kline, M., 461  
 Klingberg, M. A., 375  
 Klingberg, W., 375  
 Klock, L. E. Jr., 375  
 Kloetzel, K., 109  
 Kloosterman, G. J., 11  
 Knapp, R. M., 137  
 Knatterud, G. L., 61  
 Kneese, A. V., 405  
 Knelson, J. H., 418  
 Knoblock, N. L., 234, 243  
 Knowelden, J., 419  
 Knox, E. G., 34  
 Knutson, J. W., 75, 78, 84, 87  
 Koch, G., 76, 84  
 Koch, R., 220, 222, 229  
 Kogan, B. A., 371  
 Kohn, J., 23, 380  
 Kohn, R., 338, 348  
 Kohorn, E. I., 375  
 Komaki, J., 447, 449, 450, 455, 457  
 Komrower, G. M., 220  
 Konig, K. G., 81  
 Konig, M. P., 223-25  
 Konikoff, B. S., 75  
 Kopelman, L., 241  
 Koplan, J. P., 364  
 Kopple, J. D., 281, 292  
 Koprowski, H., 368  
 Korn, E. L., 408  
 Korones, S. B., 375  
 Korts, D. C., 80, 81  
 Kosa, J., 160  
 Koskela, K., 265, 266  
 Koslacz-Folga, A., 222  
 Kovar, M. G., 303  
 Kovner, J. W., 126  
 Kramer, M., 306  
 Kramer, M. S., 227, 230  
 Kramer, S., 282  
 Krant, M. J., 20  
 Krasner, L., 434  
 Krasse, B., 77  
 Kraus, J. F., 269  
 Krause, P. J., 373  
 Krause, R. M., 364  
 Kremer, H. U., 380  
 Krishan, I., 261  
 Kristein, M. M., 431, 457  
 Kroes, R., 290  
 Kroger, W. S., 461  
 Kronmal, R. A., 220  
 Kropp, D. H., 139  
 Krugman, R. D., 371-73  
 Krugman, S., 371, 372, 375-78, 380  
 Krumboltz, J. D., 455, 458  
 Krushat, W. M., 258  
 Kubler-Ross, E., 19  
 Kub, C., 32  
 Kulin, H. E., 223  
 Kullander, S., 207  
 Kuller, L. H., 259  
 Kurata, T., 364  
 L  
 Laano, M. E., 413  
 Labarthe, D. R., 261  
 Laberge, C., 223, 225, 238  
 Lack, S., 22  
 Ladinsky, J. L., 8  
 La Du, B. N., 230  
 La Franchi, S. H., 223-25  
 Lagercrantz, H., 236  
 Lamb, G. A., 375, 377  
 Lambert, P. M., 415  
 Lambiet-Collier, M., 291  
 Lamers, W. M., 21, 24  
 Lamerton, R. C., 19, 20, 22  
 Lamm, S. H., 371, 378  
 Lamola, A. A., 282  
 Lancranjan, I., 291  
 Landau, E., 405, 408  
 Landesman-Dwyer, S., 202  
 LANDRIGAN, P. J., 277-98;  
 280, 284, 287, 290, 371,  
 374, 375, 379  
 Lane, J. M., 364  
 Lane, R. E., 290  
 Lang, D. M., 6, 7, 10  
 Lange, W. A. Sr., 212  
 Langen, D., 461  
 Langlais, R. P., 83  
 Langley, C. H., 191  
 Langmuir, A. D., 371  
 Lansdown, R. G., 284, 287  
 LaRosa, J. C., 279  
 Larsen, P. R., 223-25  
 Larson, H. E., 375-77  
 Larsson, A., 224  
 Laskin, S., 196  
 Lass, R., 380  
 Laszlo, J., 137  
 Latchman, B., 134, 136  
 Lauer, R. M., 380  
 Laurell, C. B., 232  
 Laurence, B., 364  
 Laurence, G. D., 375  
 Laurence, K. M., 34  
 Lauwerys, R. R., 281  
 Lave, J. R., 131  
 LAVE, L. B., 183-200; 131,  
 184, 185, 188-91, 193, 195,  
 226, 402, 405  
 Law, F. E., 75, 87  
 Lawrence, R. A., 155  
 Lawrence, R. S., 135  
 Lawther, P. J., 404, 405, 409,  
 410  
 Layde, P. M., 226, 235-37  
 Lazar, M., 375  
 Lazarus, A. A., 457, 458,  
 461-63, 466  
 Leagus, M. B., 375, 377, 380  
 Leake, J. L., 83  
 Leatherwood, E. C., 86



- LeBouvier, G. L., 376  
 Lebow, J. L., 357  
 Lebowitz, M. D., 404, 410  
 LeCron, L. M., 461  
 Lee, D. H., 402  
 Lee, I. S., 192  
 Lee, K.-S., 3  
 Leeder, S. R., 401-3, 405, 422, 423  
 Leedom, J. M., 375-77, 379  
 Lees, R. E. M., 134, 136  
 Lefkowitz, B., 160  
 Lefkowitz, L. B. Jr., 375-77  
 Leftwich, C. I., 410  
 Lehner, D. M., 62  
 Lehr, I., 221  
 Lehtivirta, P., 207  
 Leming, J. C., 130  
 Lemoine, P., 202  
 Lenke, R. R., 222  
 Lennette, E. H., 375  
 Lennon, R. G., 364  
 Lenox, J. R., 461  
 LEONARD, C. O., 219-51  
 Leowaki, J., 307, 346, 356  
 Lerman, S. J., 373  
 Lerner, M., 87, 160  
 Leske, G. S., 80  
 Lealie, H. J. Jr., 380  
 Letarte, J., 223-25  
 Levantthal, H., 433  
 Levi, H. S., 231  
 Levi, P. P., 85  
 Levin, M. E., 61  
 Levin, M. L., 257  
 Levine, R. H., 380  
 Levine, S., 18  
 Levinson, A., 80  
 Leviton, A., 284, 288, 290  
 Levitz, M., 228  
 Levy, B. S., 4, 10  
 Levy, D., 412  
 Levy, H. L., 220-22, 224, 229, 230, 238  
 LEVY, R. I., 49-70; 49, 53, 57, 60-62, 258, 259, 269, 272  
 Levy, R. L., 447, 449, 450, 456  
 Lewis, D. W., 83  
 Lewis, L. J., 368  
 Ley, A., 374  
 Liberman, R. P., 443, 449-51, 456, 460, 462  
 Liddle, J. A., 280  
 Liebhaber, H., 375, 376  
 Liebson, I., 443, 449, 455  
 Liegner, L. M., 20  
 Light, I. J., 375  
 Lilienfeld, A. M., 256  
 Lilienfeld, D. E., 256  
 Lilius, H., 282  
 Lillesand, D., 459  
 Lilly, P., 230  
 Lindberg, W., 404  
 Lindenmuth, N. W., 136  
 Linder, F. E., 311  
 Lindhe, J., 78, 81, 84, 86  
 LINDHEIM, R., 1-29  
 Lindsay, J. R., 380  
 Link, C. R., 160, 167, 174-76, 179  
 Linnemann, C. C. Jr., 370, 373  
 Linnerooth, J., 187  
 Lins, R. D., 370  
 Lipat, G. A., 283  
 Lipfert, F. W., 405  
 Lipton, H. L., 374  
 Little, R. E., 203  
 Liu, C., 380  
 Liu, K., 53  
 Liu, S. C., 271  
 Lloyd, J. W., 190  
 Lobascher, M. E., 222  
 Lobes, L. A. Jr., 370  
 Loe, H., 84, 85  
 Loeb, L. A., 291  
 Logan, W. P. D., 347, 403  
 Lomax, J., 378  
 Lomont, J. R., 459  
 Long, L. M. Jr., 74  
 Long, S. H., 160, 167, 174-76, 179  
 Lonke, L. S., 77  
 Loran, J. H., 138  
 Lord, E., 279, 284, 293  
 Lord, P. W., 410  
 Loughman, W. D., 234, 243  
 Lovdal, A., 84, 86  
 Lowe, C. R., 269  
 Lowrance, W. W., 189  
 Lowry, S. P., 364  
 Lozoff, B., 105, 106  
 Lubic, R. W., 11  
 Lubs, H. A., 241  
 Ludquist, C., 77  
 Luft, H. S., 160  
 Lukas, W., 223  
 Lulkenhoff, D. S., 282, 293  
 Lundström, R., 364  
 Lunn, J. E., 419  
 Lusk, E. J., 125  
 Lussier, G., 373  
 Lutkenhoff, S. D., 282, 293  
 Lycke, E., 376  
 Lyle, C. B., 126  
 Lyons, M. M., 283  
  
 M  
 Maben, G. K., 373  
 Mabry, C. C., 225  
 Maccoby, N., 265, 268  
 MacCready, R. A., 226  
 Macdonald, H., 378  
 MacDonald, H. M., 223  
 MacFarlane, A., 17  
 MacFaul, R., 225  
 Machado, P. A., 108  
 Mack, E. T., 12  
 Mackie, E. M., 292  
 MacMahon, H. E., 364  
 Macri, J. N., 235  
 Macukanovic, P., 338  
 Madana, J., 163-65, 172, 174, 176  
 Madokoro, G., 283  
 Maeck, J. V., 375, 379  
 Maeda, S., 364  
 Maesaka, J. K., 283  
 Magrab, R. R., 446, 450, 455  
 Mahaffey, K. R., 280, 281, 283  
 Maher, C., 284, 288, 290  
 Mahmoud, A. A. F., 105, 106, 109-13  
 Mahoney, L. J., 170  
 Mahoney, M., 465  
 Main, J. C., 292  
 Maisels, M. J., 8, 223  
 Maisin, J. R., 291  
 Maki, J., 265, 266  
 MAKUC, D., 159-82  
 Malamud, N., 375  
 Malius, J. M., 34  
 Mallinson, H., 376  
 Mamunes, P., 220, 231  
 Maneri, C. S., 405  
 Manka, M., 231  
 Mann, G. V., 258, 261, 269  
 Mann, L., 457, 458  
 Mann, R., 14  
 Mann, R. A., 456  
 Mann, W. V. Jr., 85  
 Manning, W. G., 160, 161, 167, 168, 175, 179  
 Mantel, N., 191  
 Mao, P., 290  
 Margolin, F. R., 364  
 Margolis, J. R., 272  
 Marine, W. M., 4, 10  
 Markham, F. S., 373  
 Markovitz, D., 410  
 Marks, J. S., 372  
 Marks, K. H., 8, 223  
 MARMOT, M., 253-76; 257, 258, 264  
 Marmot, M. G., 253, 259  
 Marshall, W. C., 375, 377  
 Marston, A., 459  
 Martin, A. E., 404, 405  
 Martin, D. B., 364, 371, 373  
 Martin, J., 369  
 Martin, J. C., 202  
 Martinez, G. A., 153  
 Marusyk, H., 374  
 Marwit, S. J., 98  
 Marx, J. L., 35  
 Marzetta, B. R., 433

## 482 AUTHOR INDEX

- Masek, B. J., 447, 449, 450, 455, 466  
 Massanari, R. M., 374  
 Masson, P., 281  
 Masters, P., 224  
 Matsaniotis, N., 380  
 Matte, V., 373  
 Matters, B. A., 375  
 Matthias, R. E., 81, 86  
 Mattson, F., 258, 261, 269  
 Mauler, R., 364  
 Maulitz, R. M., 370  
 May, R. M., 101, 102, 110  
 McAlister, A. L., 265, 268  
 McAlister, R., 364  
 McArthur, A. M., 380  
 McCarroll, J., 403, 404  
 McCarthy, M. M., 131  
 McCartney, P., 61  
 McCarty, G. E., 282, 293  
 McCauley, P. T., 282, 293  
 McClain, K. E., 411, 417  
 McClaran, J., 40, 41  
 McClure, F. J., 79  
 McCollum, R. W., 375, 377  
 McCord, C. P., 279  
 McCormick, J. B., 370  
 McCrae, W. M., 380  
 McCulley, L. B., 212, 213  
 McCune, R. J., 76, 78  
 McDonald, G. C., 405  
 McDonald, J. H., 290  
 McEnaney, J. A., 261  
 McFall, M. E., 464  
 McFall, R. M., 459, 465  
 McFarlane, J., 224  
 McGee, D., 61, 262  
 McGillion, F. B., 282  
 McGowan, J. E. Jr., 364  
 McIlvaine, R. T., 219  
 McIntosh, H. D., 58  
 McIntosh, K., 371-73  
 McIntyre, K. M., 436  
 McIntyre, M. S., 281  
 McKee, J., 375, 377  
 McKeen, C., 234  
 McKeown, T., 18, 269  
 McLaren, D. A., 292  
 McLean, A. A., 378, 380  
 McLean, D. M., 364  
 McManus, P., 16  
 McNeil, J. L., 284, 287  
 McNulty, B. J., 22  
 McTammany, J. R., 12  
 Mednick, J. P., 375  
 Medras, K., 290  
 Meek, A. G., 221, 238  
 Mehl, L. E., 10  
 Mehlman, M. A., 192  
 Mehsen, J. J., 364  
 Meichenbaum, D., 441, 457, 462-64  
 Meier, G. W., 378  
 Meigs, J. W., 291  
 Melia, R. J. W., 419  
 Mellander, L., 147  
 Mellberg, J. R., 76  
 Mellin, G., 282  
 Mellits, E. D., 221, 238  
 Meltzer, S., 223  
 Mena, L., 58  
 Menkes, J. H., 231  
 Menser, M. A., 375, 377  
 Menuet, J., 202  
 Meredith, P. A., 282, 292  
 Merigan, T. C., 371  
 Merrill, R. A., 183, 184  
 Merrill, R. H., 196  
 Messaritakis, J., 380  
 Meyer, A. J., 265, 268  
 Meyer, B. C., 371-73  
 Meyer, H. M. Jr., 373, 375-79  
 Meyer, M. B., 206  
 Meyer, R. G., 461  
 Meyers, J., 291  
 Meyers, R. J., 81  
 Meyersburg, H., 464  
 Michaels, R., 375  
 Middaugh, J. P., 371  
 Milar, C. R., 285  
 Millar, J. A., 282  
 Millar, J. D., 364, 367  
 Miller, B. G., 76  
 Miller, G. P., 464  
 Miller, J., 234  
 Miller, J. C., 187  
 Miller, J. R., 234, 244  
 Miller, R. G., 282, 293  
 Milne, R. G., 36  
 Milstien, S., 220, 221  
 Minot, A., 279  
 Misiaszek, J., 410  
 Mitchell, J. B., 169  
 Mitchell, M. L., 221, 223, 224  
 Mitchley, B. C. V., 290  
 Modlin, J. F., 370, 374, 375, 379  
 Modling, J. F., 375  
 Moghissi, K. S., 203  
 Mohsenin, H., 376  
 Mojonner, L. M., 262  
 Molnar, J. J., 290  
 Monaco, F., 223-25  
 Monif, G. R. G., 375, 376, 378  
 Monk, M. A., 270  
 Monson, R. R., 185  
 Montagnon, B., 376  
 Montgomery, R., 375  
 Montgomery, T. A., 4, 10  
 Monti, P. M., 445, 449-51, 455, 457, 464, 465  
 Moore, E. C., 214  
 Moore, M. R., 282, 292  
 Moore, P. S., 364  
 Moorhead, P., 241  
 Morales, D. R., 220, 238  
 Moran, A. D., 138  
 Mordaunt, V. L., 221  
 Moreno, J. L., 457  
 Morgan, S., 177  
 Mori, H. D., 261  
 Morison, R. S., 1  
 Morissette, J., 223  
 Moriyama, I. M., 317  
 Morley, D., 340  
 Morris, A., 226  
 Morris, R. J., 452  
 Morrison, A. S., 185  
 Moscovice, I., 134, 136  
 Mosher, W. E., 405  
 Moss, D., 262  
 Motley, H. L., 410  
 Mount, F. W., 221, 238  
 Mourmans, A. R. M., 421  
 Mross, C. D., 131  
 Mudd, S. H., 230  
 Muesing, R. M., 270  
 Muhlbaier, L. H., 131  
 Muhler, J. C., 78  
 Muller, A. S., 110  
 Muller, C., 303  
 Mullinix, J., 374  
 Murawski, T. J., 404  
 Murdoch, R. M., 292  
 MURNAGHAN, J. H., 299-361; 302, 313, 332, 353  
 Murphey, W. H., 223-25, 232  
 Murphy, A. M., 377  
 Murphy, G. D., 376  
 Murphy, G. D. III, 378  
 Murphy, R. L. H. Jr., 415  
 Murphy, S. D., 402  
 Murphy, T. J., 79  
 Murray, F., 223  
 Murray, R. A., 371  
 Muruka, J. F., 110, 111  
 Mushak, P., 285  
 Mushlin, A. I., 126  
 Mustaniemi, H., 67, 265, 267  
 Myrianthopoulos, N., 241  
 Myrianthopoulos, N. C., 224  
  
 N  
 Nader, P. R., 364, 374  
 Naeve, R., 3  
 Naficy, K., 376  
 Nagahara, S., 364  
 Nahmias, A. J., 380  
 Naiditch, M. J., 373  
 Nakamo, J. H., 373  
 Nalezienaki, J. P., 153  
 Narayan, O., 374  
 Naruse, H., 224, 238  
 Nasca, P. C., 170  
 Nash, C. E., 188, 193  
 Nash, J. D., 265, 268  
 Nategh, R., 376

- Nathanson, J., 283  
 Nathanson, J. A., 281, 283, 293  
 Nathanson, N., 369  
 Navia, J. M., 78  
 Naylor, E. W., 221, 229  
 NEEDLEMAN, H. L., 277-98;  
 284, 288, 290  
 Neel, J. V., 219  
 Neff, J. M., 364, 367  
 Neittaanmaki, L., 265, 266  
 Nelson, E., 445, 449-51, 460  
 Nelson, L. P., 15  
 Nelson, M. M., 212  
 Nelson, R. L., 291  
 Nelson, W. M., 443, 449, 450,  
 455, 460, 464  
 Neutra, R., 126  
 Neva, F. A., 375  
 Nevitt, G. A., 75  
 Newberne, P. M., 185  
 Newbrun, E., 72, 73, 75, 77-80  
 Newhouse, J. P., 138, 160, 161,  
 167, 168, 175, 179  
 Newhouse, M. T., 412  
 Newman, J. F., 79  
 News, G. H., 223  
 Nicholas, A., 376  
 Nicolas, A., 375, 377  
 Nieburg, P. L., 364, 370, 371,  
 373  
 Nielsen, L., 12  
 Nielsen, T., 279  
 Nightingale, E. O., 369  
 Nikkanen, J., 282  
 Nissinen, A., 265, 266  
 Nizel, A. E., 77, 81  
 Nobrega, F. T., 261  
 Nogaki, K., 291  
 Noller, B. N., 279  
 Nordenson, I., 291  
 Nordstrom, S., 291  
 Noren, G. R., 380  
 Noren, J., 134  
 Norrby, E., 374, 381  
 Norrby, R., 376  
 North, A. F., 34  
 Northrop, R. L., 376  
 Norton, P. M., 231  
 Norton, T. W., 368  
 Novaco, R., 462, 464  
 Novak, A. G., 125  
 Nuland, W., 461  
 Nusbaum, R. E., 280  
 Nyerger, G., 364
- O
- Oakley, A., 17  
 Oakley, G. P. Jr., 226, 235-37,  
 242, 243  
 O'Brien, M. L., 232  
 O'Connell, C. J., 364  
 O'Connor, K., 373
- O'Flynn, M. E., 220  
 Ogra, P. L., 375-77  
 O'Hare, D., 381  
 Okada, L., 177  
 Oker-Blom, N., 375, 379  
 Okrent, D., 45  
 Olayinka, A., 311  
 Olbrich, R., 444, 449-51, 458,  
 464  
 O'Leary, D. S., 137  
 Oliver, Sir T., 291  
 Olmstead, F., 123, 127  
 Olson, C. M., 155  
 Olson, L., 283  
 Olson, M. I., 130  
 Olson, R. O., 8  
 O'Neill, J. J., 380  
 Opton, E. M., 375  
 Orbach, H. G., 374  
 Orenstein, W. A., 370, 372, 381  
 Orne, M. T., 437, 441, 453  
 Orvell, C., 381  
 Osborne, C., 131  
 O'Shea, S., 375-77  
 Oshiro, L. S., 375  
 Oski, F. A., 375  
 Osterweis, M., 20  
 Ostrea, E. M. Jr., 210  
 Ouellet, R. P., 261  
 Ouellette, E. M., 203  
 Ouma, J. H., 110, 111  
 Over, A. M., 139  
 Over, M., 131  
 Oyasu, R., 290  
 Ozolins, G., 416
- P
- Paciga, J., 280  
 Pagano, J. S., 380  
 Page E., 376  
 Page, J. L., 374  
 Paglia, D. E., 283  
 Pajot, T. G., 376  
 Paneth, N., 3  
 Panitch, H. S., 375  
 Panos, T. C., 375  
 Papadopoulos, Z. I., 446, 450,  
 455  
 Paringer, L., 160  
 Paris, R. P., 364  
 Parkin, J. M., 223, 225  
 Parkinson, D. K., 280  
 Parkman, P. D., 373, 375-79  
 Parrish, H. J., 364  
 Parsons, T., 434  
 Pasternak, J., 374  
 Patel, C., 446, 449, 460  
 Patel, D. J., 444, 449, 450, 460  
 Paterson, P. Y., 374  
 Patil, S. R., 241  
 Patric, D. L., 36  
 Patrick, D. L., 226
- Patterson, C. C., 279, 293  
 Paul, G. L., 459, 462  
 Paul, T. D., 221  
 Paule, C. L., 370  
 Pavlani, V., 373  
 Pawlson, L. G., 136  
 Payne, M. C., 375  
 Peacock, P. N. B., 364  
 Pearl, W. R., 373  
 Pearlman, D. S., 364  
 Pearlman, M. A., 3  
 Pearlman, M. E., 417  
 Pearson, H. A., 226, 227,  
 230  
 Peckham, C. H., 212  
 Peckham, C. S., 375, 377  
 Peetermans, J., 375, 377, 378  
 Pelletier, K. P., 43  
 Pelton, W. J., 87  
 Pelitzman, S., 188, 193  
 Pengelly, J. P. B., 81  
 Penttinen, K., 381  
 Peresie, H., 284, 288, 290  
 Perino, J., 284, 286, 290  
 Perkins, S. M., 12  
 Perkoff, G. T., 135  
 Periman, D. S., 364  
 Perlestein, M. A., 284  
 Perri, M., 465  
 Persson, P. H., 207  
 Peters, J. M., 415  
 Peters, P. A., 111  
 Peterson, D. R., 364  
 Pettiti, D., 8  
 Peto, R., 191  
 Philbrook, F. R., 375, 377  
 Phillips, C. A., 375, 379, 380  
 Phillips, J., 465  
 Phillips, J. A., 226, 228, 234  
 Phillips, P. E., 378, 379  
 Pianigiani, G., 369  
 Pickens, R., 443, 449, 455, 456,  
 459, 464  
 Pickles, T., 79  
 Piemme, T. E., 137  
 Pineault, R., 137  
 Piñeda, R. G., 375  
 Pinheiro, F. P., 374, 378  
 Pionelli, S., 281, 282  
 Fiore, N., 119  
 Pitt, D., 224  
 Plasschaert, A. J. M., 81  
 Plaut, M. E., 364  
 Plotkin, S. A., 364, 375, 377  
 Podgore, J. K., 373  
 Poholek, R., 224  
 Polani, P. E., 243  
 Pole, J. D., 330  
 Polkowski, J., 370  
 Pollard, S. T., 87  
 Pomerleau, O. F., 432, 434  
 Pope, C. R., 126  
 Popescu, H. I., 291

## 484 AUTHOR INDEX

Portnoy, B., 371, 372, 375-77,  
379, 409  
Posch, J., 366  
Postellon, D. C., 223  
Pow, G., 447, 449, 450, 456  
Powers, D. R., 226  
Powers, E. K., 219  
Preblud, S. R., 370, 379, 381  
Price, B. S., 124, 134, 136  
Price, D., 364  
Price, G. E., 375  
Prince, P. E., 231  
Prindle, R. A., 408  
Prinzle, A., 375, 377  
Prvulovic, T., 338  
Psiaki, D. L., 155  
Ptasnik, J. S., 284, 287  
Puleo, S., 415  
Pullon, D. H. H., 230  
Purula, T., 348  
Puska, P., 67, 265-67

## Q

Quensel, C. E., 77  
Quigley, M. E., 207  
Quinn, R. W., 375-77

## R

Rabin, D. L., 338  
Rabinowitz, M. B., 281, 292  
Raby, J., 224  
Radentz, W. G., 85  
Radford, A. J., 311, 334  
Radomski, J. L., 191  
Rafajko, R. R., 375-77  
Rai, K., 191  
Raine, D. N., 34  
Raisz, L. G., 212  
Raiti, S., 223  
Ramcharan, S., 40  
Ramfjord, S. F., 84  
Ramirez, G., 375  
Rand, K. H., 371  
Randall, K. J., 34  
Randoff, M. F., 375, 377  
Randolph, M. F., 375, 377, 378  
Raphael, D., 149  
Rapp, F., 374  
Rary, J. M., 241  
Ratcliffe, J. M., 284, 289  
Ratner, H., 5  
Rauch, R. J., 187  
Rauh, J. L., 378  
Rauh, L. W., 364  
Rawls, M. L., 372  
Rawls, W., 375  
Rawls, W. E., 372  
Rawson, R. A., 443, 449-51,  
456, 460, 462  
Ray, R. B., 379  
Redmond, C. K., 190

Reed, R., 436  
Reed, R. R., 284, 288, 290  
Rees, R., 8  
Reeser, D., 211  
Regas, S., 375-77  
Reid, D. D., 61, 415, 416  
Reilly, C. M., 371  
Reilly, P., 238, 239  
Reinhardt, U., 131, 138  
Reinhardt, U. E., 132, 133,  
138, 139  
Reiman, A. S., 98  
Remein, Q. R., 33  
Rendtorff, R. C., 379  
Resnikoff, P., 279  
Reynolds, D. W., 371  
Reynolds, R., 160, 176, 179  
Rice, D. P., 187, 330  
Rich, A., 7  
Richard, M. H., 124, 134, 136  
Richards, C., 465  
Richardson, F., 460, 462  
Richter, K. H., 366  
Riedlinger, W. F., 65  
Rieser, N., 378  
Rifkind, B. M., 270  
Rigg, J. M., 364  
Rigg, R. D., 126  
Rindfuss, R. R., 8  
Rinsky, R. A., 196  
Riordan, J. T., 375  
Ripa, L. W., 76, 80  
Roane, J., 375  
Robbins, F. C., 375, 379  
Robbins, J., 226  
Robbins, J. B., 364  
Robbins, L. C., 43  
Roberto, R. R., 367  
Roberts, G. J., 226  
Roberts, N. J., 32  
Roberts, R. H., 65  
Roberts, S. D., 128, 130  
Roberts, T. M., 280  
Robertson, M. G., 380  
Robinson, A., 364  
Roche, A. F., 220  
Rock, W. P., 78  
Roder, D. M., 81  
Rodov, M. H., 160  
Roe, F. J. C., 290  
Roe, J. W., 419  
Roels, H. A., 281  
Rogers, D. E., 161, 163, 164,  
168, 174  
Rogers, K. D., 375  
Rogers, W. A., 375, 379  
Rogers, W. H., 161, 337  
Rogot, E., 61  
Rom, W. N., 291  
Ronnberb, S., 448  
Ronnevi, L. O., 284  
Rooks, Y., 227, 230  
Rooney, M., 404

Rosales, T., 364  
Rose, G., 34, 61  
Rosen, J. F., 280, 281, 283  
Rosen, S., 187, 188  
Rosenberg, D. A., 376  
Rosenberg, R., 370-72  
Rosenberg, R. A., 224, 225  
Rosenblum, B. F., 280, 284,  
287, 290  
Rosenman, R. H., 253  
Rosenmann, A., 230  
Rosenstein, B. J., 374  
Rosett, H. L., 203  
Roskies, E., 442, 449, 450, 460  
Rosman, N. P., 203  
Rosner, B. A., 433  
Ross, D. M., 20, 24  
Ross, L. A., 371  
Roth, R., 464  
Rotte, T., 376-78  
Rotte, T. C., 370  
Rotter, J. B., 453  
Rousseau, J., 364  
Roux, R., 125  
Rowe, W. B., 189  
Rowley, D., 223, 225  
Rowley, P. T., 227, 228  
Roziert, R. G., 74  
Ruben, F. L., 364  
Rubin, E. M., 227  
Rudolph, A. J., 375  
Rueggesser, J. M., 375, 377  
Rush, D., 205  
Rusoff, L. L., 75  
Russell, A. L., 75, 83, 84  
Russell, M., 204  
Russell, R. R., 380  
Russell, R. R. B., 76  
Rutstein, D. D., 356  
Rutter, M., 294  
Ryan, G. M., 2  
Ryan, J. M., 375, 377  
Ryder, C. F., 20, 24  
Ryding, W. H., 83

## S

Sabin, A. B., 368  
Sackett, D. L., 34, 35, 40, 41,  
255, 433, 440  
Sactre, H., 58  
Sagan, L. A., 184  
Sai, F. T., 156  
Salber, E. J., 131  
Salk, D., 368, 369  
Salk, J., 369  
Salk, J. E., 368  
Salonen, J. T., 67, 265-67  
Salow, G., 435  
Saltzman, E. J., 371, 372  
Salvatore, M. A., 375-77, 379  
Sanders, C. A., 98  
Sanders, J. D., 280

- Sanders, S., 461, 464  
 Sanderson, R. P., 380, 381  
 Sansarica, C., 231  
 Santangelo, N., 160  
 Sardharwalla, I. B., 220  
 Sarkisian, C., 119  
 Sassa, S., 281, 283  
 Saunders, C., 20, 22, 23, 25  
 Savel, H., 375, 379  
 Savin, M., 375  
 Seward, E., 44  
 Scanlon, J., 292  
 Schach, E., 338  
 Schackelford, P. G., 370  
 Schaefer, O., 151  
 Schaffner, W., 370, 374, 376, 379  
 Scheffler, R. M., 35, 36  
 Schei, O., 86  
 Schiff, B. E., 378  
 Schiff, G. M., 370, 373, 375-78  
 Schiffman, G., 226  
 Schilling, R. S. F., 401-3, 405, 422, 423  
 Schimmel, H., 404  
 Schiott, C., 84  
 Schlifman, A., 137  
 Schluederberg, A., 370, 371, 373, 374, 378  
 Schmidt, H., 222  
 Schmidt, R., 364  
 Schmidt, R. M., 238  
 Schmidt, R. R., 372  
 Schmincke, W., 313  
 Schoen, C., 160-62, 174, 175, 179  
 SCHOEN, M. H., 71-92; 73, 87  
 Schoengold, R. J., 375, 377  
 Schoettlin, C. E., 408  
 Schon, D. A., 438  
 Schonberger, L. B., 364  
 Schor, S. S., 39  
 Schrenk, H. H., 403  
 Schroeder, J. S., 67  
 Schroeder, S. A., 136, 137  
 Schroeder, S. R., 285  
 Schuett, V. E., 222  
 Schultz, B., 126, 128, 129  
 Schultz, L., 226  
 Schultze, R., 126  
 Schulz, E. M., 78  
 Schulz, K. F., 372  
 Schulze, W., 405  
 Schumacher, H. P., 374  
 Schut, J., 211  
 Schwartz, G. E., 433  
 Schwarz, A. J. F., 375, 377  
 Schwing, R. C., 405  
 Schwing, R. E., 192  
 Schydlower, M., 373  
 Scitovsky, A. A., 119  
 Scotch, N. A., 18  
 Scott, H. D., 370, 374, 376  
 Scott, J. A., 403  
 Scott, L. R., 447, 449, 450, 455, 457  
 Scott, R. A. T., 375  
 Scott, R. B., 226  
 Scott, T. F. M., 364, 373  
 Scott, W., 311  
 Scrimgeour, J. B., 235  
 Scribe, C. R., 229, 230, 238  
 Seakins, J. W. T., 230  
 Segal, S., 228, 229  
 Sehnert, K. W., 42, 43  
 Seiger, A., 283  
 Selle, H. F., 234  
 Senanayake, P., 156  
 Sencer, D. J., 371  
 Senning, R. S., 76  
 Sepe, S. J., 221, 229, 238  
 Seppala, M., 234, 375, 379  
 Serbanescu, M., 291  
 Seskin, E. P., 190, 402, 405  
 Settle, D. M., 293  
 Settle, R. F., 160, 167, 174-76, 179  
 Sever, J. L., 374, 375, 378  
 Sexton, H. M., 380  
 Sexton, M. M., 431, 465  
 Sgroi, S. M., 98  
 Shackelford, P. G., 372  
 Shaddick, C. W., 404, 405  
 Shafa, E., 367  
 Shahidi, S., 227  
 Shapiro, R. E., 187  
 Shapiro, S., 131  
 Sharma, R. M., 291  
 Shasby, D. M., 370  
 Shattuck, L., 269  
 Shaw, J. H., 81  
 Shearer, M. H., 16  
 Shearn, M. A., 380  
 Sheehan, K. L., 207  
 Sheiham, A., 84  
 Shekelle, R. B., 271  
 Shelton, J. D., 372  
 Shepard, D. S., 126  
 Shepard, E., 380  
 Shepherd, J., 284, 287  
 Sheps, C. G., 126  
 Sheridan, M. D., 375  
 Sherrill, L. T., 76  
 Shih, V. E., 221, 229  
 Shih, V. F., 221  
 Shillis, J. L., 375  
 Shin, Y., 131  
 Shirasawa, K., 364  
 Shirata, H., 293  
 Shirley, R. H., 370  
 Shisslak, C. M., 209  
 Sholtz, R. I., 253  
 Shope, T. C., 370  
 Shoults, J. M., 280  
 Showstack, J. A., 137  
 Shy, C. M., 191, 408, 417  
 Sieber, D. F. Jr., 380  
 Siegelau, A. B., 40  
 Sigman, R., 461  
 Silverman, L. P., 131  
 Siminovich, L., 234  
 Simkin, P., 10, 11  
 Simpson, N. E., 234  
 Simpson, W. J., 205  
 Simsarian, J. P., 375-77  
 Singer, J., 133  
 Singer, J. D., 243  
 Singer, M., 445, 449-51, 455, 457, 465  
 Siongok, T. K. A., 110, 111  
 Sirover, M. A., 291  
 Skinner, E. A., 131  
 Skinner, K. K., 459  
 Sloan, S. B., 338  
 Sloan, F. A., 169  
 Smart, R. H., 410  
 Smillie, W. G., 106, 107  
 Smith, A. D., 236  
 Smith, C. B., 375  
 Smith, D. I., 364  
 Smith, D. J., 75  
 Smith, D. W., 202, 204, 224  
 Smith, H. A., 226  
 Smith, I., 222  
 Smith, K. R., 131, 139  
 Smith, M. E., 219  
 Smith, P., 226  
 Smith, R. S., 187, 188  
 Smith, W. A., 84  
 Smith, W. M., 258  
 Smithers, D., 23  
 Smoldt, R. K., 261  
 Smrek, A. L., 280  
 Smutka, L. K., 261  
 Smyth, J. F. A., 81  
 Snell, G. F., 136  
 Snyder, R. D., 374  
 SOCHOLITZKY, E., 117-43  
 Sognnaes, R. F., 75  
 Sokal, M. M., 211  
 Sokolov, D., 313  
 Solari, G., 380  
 Solberg, C. O., 376  
 Solish, G., 211  
 Solkoff, N., 98  
 Solon, J. A., 126  
 Soltero, I., 53  
 Somers, H. M., 173  
 Sommer, F. F., 223  
 Sonkoly, I., 364  
 Sorell, M., 280  
 Sorensen, A., 44  
 Spaffa, J. A., 192  
 Sparer, G., 124  
 Spasoff, R. A., 134, 136  
 Spector, N. J., 459  
 Speizer, F. E., 402, 403, 405, 417  
 Spencer, M. J., 373

## 486 AUTHOR INDEX

- Spevak, M., 442, 449, 450, 460  
 Spiegel, H., 461  
 Spitz, G. H., 87  
 Spruance, S. L., 375  
 Srivastava, S., 81  
 Stadt, Z. M., 75  
 Staehling, N. W., 280, 284, 287, 290  
 Stalker, T. A., 118  
 Stallones, R. A., 44, 268  
 Stamler, J., 53, 61, 65, 259, 262, 269  
 Stamler, R., 65, 262  
 Stamm, J. W., 75, 81, 83  
 Stanbury, J. B., 225  
 Stanic, M., 410  
 Stanton, H., 461  
 Stare, F., 445, 449-51, 455, 457, 465  
 Starfield, B., 221, 238, 338  
 Start, A., 371  
 Stason, W. B., 35, 431, 433  
 St. Clair, R. W., 62  
 Stebbings, J. H., 411  
 Stebbins, M. R., 375, 377  
 Steele, R., 134, 136  
 Steigman, A. J., 380  
 Stein, Z., 234, 241, 243  
 Stein, Z. A., 234  
 Steinberg, S., 380, 381  
 Steinberg-Warren, N., 227, 228  
 Steiner, K. C., 226  
 Steinhurst, J., 79  
 Steinman, R. E., 380  
 Steinwachs, D. M., 126  
 Stephan, U., 232  
 Stephens, J. D., 234, 243  
 Sterky, G., 147  
 Stern, M. P., 265, 268  
 Stern, R. S., 135  
 Stevenson, J. E., 222  
 Stewart, A. L., 161, 337  
 Stewart, D., 3, 16  
 Stewart, G. L., 378  
 Stewart, G. T., 292  
 Stewart, L., 3, 10, 11  
 St. Geme, J. W., 372, 380  
 St. Geme, J. W. Jr., 374  
 Stillerman, M., 375, 377  
 Stimmel, B., 211  
 Stinson, P., 16  
 Stinson, R., 16  
 Stirrat, G. M., 236  
 Stitzer, M. L., 443, 449, 455  
 Stocks, P., 190  
 Stoddard, S., 20, 24  
 Stoeckle, J. D., 135  
 Stoffels, M. A., 379  
 Stokes, J. Jr., 371, 375, 377, 378, 380  
 STOLL, J. G., 431-71  
 Stoll, N. R., 103  
 Stolley, P. D., 364  
 Stoloff, L., 190  
 Stone, A. W., 136  
 Stone, S., 371, 372  
 Stout, M., 377  
 Stowe, H. D., 291  
 Strain, J. J., 94  
 Strain, R. S., 372  
 Strangert, K., 376, 378  
 Strannegard, O., 376  
 Strassburg, M. A., 372  
 Strauss, A. L., 18  
 Strauss, J., 371  
 Strauss, M. E., 210  
 Streissguth, A. P., 202, 204  
 Strobino, B., 241, 243  
 Strobino, B. R., 190  
 Stryker, J. C., 210  
 Stuart, A., 414  
 Stuart, R., 456  
 Stunkard, J., 450  
 Sturm, R., 283, 284, 289  
 Stutz, R. N., 160  
 Suber, O. S., 364  
 Suckerman, K. R., 452  
 Sudnow, D., 18  
 Sugarman, M., 16  
 Sugg, W. C., 380  
 Suinn, R. M., 442, 449, 460, 462, 464  
 Sullivan, D. F., 304  
 Sultz, H. A., 380  
 Sulzer, E., 456  
 Summer, G. K., 221  
 Summitt, R. L., 241  
 Sunderman, F. W. Jr., 290  
 Suomi, J. D., 86  
 Surkis, A., 442, 449, 450, 460  
 Susser, M., 234, 241, 243  
 Sussman, S., 364  
 Sutcliffe, p., 77  
 Sutcliffe, R. G., 235  
 Sutherland, J. M., 375  
 Suver, J. D., 125  
 Sveger, T., 232  
 Sverd, J., 284, 288  
 Swan, A. V., 401-3, 405, 422, 423  
 Swanson, P. D., 364  
 Swaroop, S., 317  
 Swartz, T. A., 375  
 Sweeney, E. A., 79  
 Syme, S. L., 3, 4, 262, 264, 269, 272  
 Synderman, S. E., 231  
 Szigeti, R., 364  
 Szkló, M., 58  
 T  
 Takalo, T., 265, 266  
 Tanahashi, T., 346  
 Tarone, R. E., 191  
 Taylor, C. B., 445, 449-51, 460  
 Taylor, D., 283  
 Taylor, D. W., 35  
 Taylor, F., 375  
 Taylor, F. B., 79  
 Taylor, R., 81  
 Taylor-Robinson, C. H., 376  
 Tennyson, L. M., 212, 213  
 Teramo, K., 234  
 Terry, L. L., 364  
 Thacker, S. B., 8, 131  
 Thaler, R., 187, 188  
 Thalhammer, O., 231  
 Theilade, E., 84  
 Thomas, G. H., 220  
 Thompson, C. B., 209  
 Thompson, D. C., 403  
 Thompson, G. G., 282  
 Thompson, G. R., 375  
 Thompson, J. D., 6, 131  
 Thompson, R. F., 375, 377  
 Thoresen, C., 465  
 Thoresen, C. E., 455, 458  
 Thorne, R. M., 33  
 Thornton, N. H., 231  
 Thurber, C. L., 131, 139  
 Tiesjma, R. H., 226  
 Tietze, C., 325  
 Tilker, H. A., 461  
 Timar, L., 364  
 Tingle, A. J., 375  
 Tobin, J. O., 378  
 Todd, M. C., 95  
 Tomlin, P. J., 98  
 Tonascia, J. A., 58  
 Torelli, P., 76, 77, 80  
 Toth, K., 75  
 Townsend, J. J., 375  
 Townsend, M. C., 411  
 Toyama, T., 404  
 Toyoda, H., 364  
 Traub, R., 374  
 Trier, C. S., 460  
 Trimble, B. K., 219  
 Trimble, S., 378  
 Trobaugh, G. B., 58  
 Trotter, J. L., 374  
 Truax, C., 452  
 Truett, J., 257, 268  
 Tucker, R. G., 224  
 Tuomilehto, J., 265, 266  
 Turk, D. C., 464  
 Turner, W. C., 284, 287  
 U  
 Uemura, K., 317  
 Uhrmann, S., 223  
 Ukkonen, P., 381  
 Ullman, L. P., 439  
 Umans, G., 375

Upton, A. C., 190, 191, 194  
 Utiger, R., 223

## V

- Väänänen, P., 381  
 Vaara, L., 234  
 Vaheri, A., 375, 379  
 Väisänen, O., 381  
 Valentine, W. N., 283  
 Vallbona, C., 124, 134, 136  
 Valle, D., 220  
 Vallin, J., 320  
 Van Each, G. J., 290  
 Van Genderen, H., 290  
 Van Horn, A. J., 193  
 VanKirk, L. E., 79, 84  
 VanLoon, J., 280  
 Vannicelli, M., 444, 449, 451, 456  
 Van Ryzin, J., 191  
 van Wyck, D., 410  
 Varma, M. M., 291  
 Varrone, S., 223-25  
 Vaupel, J. V., 254  
 Vawter, G. F., 229  
 Veale, A. M. O., 220, 226  
 Ventura, A., 375, 377  
 Verenhorst, B., 464  
 Vermande-Van Eck, G. J., 291  
 Vermillion, J. R., 75, 83, 86  
 Veronelli, J., 375, 379  
 Veronelli, J. A., 375, 377  
 Vesikari, T., 375, 379  
 Vesterberg, O., 284  
 Vickers, G., 318  
 Vickers, J. H., 364  
 Viljoen, J. D., 282  
 Villarejos, V. M., 380  
 Vink, H. H., 290  
 Virtamo, J., 265, 266  
 Viscusi, W. K., 187  
 Vistica, D. T., 283  
 Vitale, L. F., 283  
 Voeller, K., 284, 287, 288  
 VOGT, T. M., 31-47  
 Volpe, A. R., 77  
 VonAllmen, S. D., 226, 235-37  
 Vosburgh, J. B., 380  
 Vukmanovic, C., 338, 348
- W  
 Wachs, B., 75  
 Wadlington, W. B., 364  
 Waerhaug, J., 84, 86  
 Wagner, W. D., 62  
 Wagoner, J. K., 196  
 Wake, F. R., 264  
 Walbergh, E. J., 373  
 Walbergh, E. W., 373
- Wald, F. S., 21  
 Wald, N. J., 236  
 Waldman, R. H., 375-77  
 Waldron, H. A., 277, 278  
 Walfish, P. G., 223-25  
 Walker, R. B., 375  
 Walker, S. H., 267  
 Wallace, D. A., 87  
 Wallace, J., 443, 449, 450, 455, 460, 464  
 Wallach, R. C., 211  
 Waller, R. E., 401-3, 405, 409, 410, 422, 423  
 Walser, S., 241  
 Walsh, J. A., 331  
 Walter, N. T., 21, 24  
 Walters, A., 457  
 Walters, V. W., 375, 377  
 Walton, K. G., 283  
 Walzer, S., 241  
 Wan, T., 177  
 Wara, D. W., 226  
 Warburton, D., 234, 241, 243  
 Ward, E. N., 368  
 Ward, J. R., 375  
 Ward, P. H., 380  
 Ward, R., 375  
 Ward, R. A., 226  
 Wardell, J. N., 210  
 Ware, J., 402, 405  
 Ware, J. E., 161  
 Ware, J. E. Jr., 337  
 Warner, R., 221  
 WARREN, K. S., 101-15; 102, 103, 105, 106, 108-13, 331  
 Warren, R. J., 374  
 Waseby, J., 81  
 Watanabe, G., 242  
 Watanabe, H., 405  
 Waterman, G. F., 87  
 Watson, G. I., 376  
 Watzel, H., 444, 449-51, 458, 464  
 Wayne, W. S., 410  
 Wear, D. J., 374  
 Webster, X., 419  
 Wedeen, R. P., 283  
 WEHRL, P. F., 363-95; 364, 366, 371, 372, 374, 375, 377-80, 409, 410  
 Weibel, R. E., 375, 377, 378, 380  
 Weichsel, M. E. Jr., 225  
 Weinberg, L., 463  
 Weiner, B., 283  
 Weiner, L., 203  
 Weiner, L. B., 364, 371, 373  
 Weinstein, L., 364, 378  
 Weinstein, M., 431, 433  
 Weinstein, M. C., 35  
 Weinstein, P. R., 74  
 Weintraub, D., 375
- Weiss, H. J., 375  
 Weiss, J. J., 375  
 Weiss, R. R., 235  
 Weitzenhoffer, A. M., 461  
 Welcher, D. W., 231  
 Weller, T. H., 375, 380  
 Welliver, R. C., 371, 373  
 Wellock, W. D., 78  
 Wells, D. G. T., 220, 238  
 Wells, G., 221  
 Welty, T., 375  
 Wender, P. H., 453  
 Wendt, V. E., 364  
 Wenerowicz, W. J., 447, 449, 450, 455, 456  
 Wenz, E., 229  
 Werner, J. A., 58  
 Wertz, D. C., 4  
 Wertz, R. W., 4  
 Westlake, R. S., 445, 446, 449-51, 455, 457, 464, 465  
 Wetherill, G. W., 281, 292  
 Wethers, D., 227  
 Wexler, H., 403  
 Whitby, L. G., 34  
 White, E. L., 160  
 White, K. L., 311, 330, 338, 348  
 Whitehead, T. P., 34  
 Whiteman, P. D., 230  
 Whitman, J. E., 375, 377  
 Whitman, J. E. Jr., 375, 377, 380  
 Whittaker, L. R., 110, 111  
 Whittemore, A., 187  
 WHITTEMORE, A. S., 397-429; 190, 408  
 Whittemore, R., 375  
 Whitworth, R. H., 284, 287, 290  
 Wick, E., 461  
 Wiebe, R. A., 373  
 Wiebenga, N. H., 378  
 Wilcken, B., 224  
 Wilf, R. T., 13  
 Wilfert, C. M., 380  
 Wilkes, M. M., 207  
 WILKINS, J., 363-95; 371, 372, 374-80  
 Wilkinson, F. S., 4, 10  
 Williams, F. F., 380  
 Williams, J. E., 74  
 Williams, K. N., 161, 337  
 Williams, O. D., 126, 270  
 Williams, R. L., 8  
 Williamson, M., 220, 222  
 Williamson, M. L., 220  
 Williamson, O. E., 184  
 Wilson, G. T., 442, 449, 450, 460, 465  
 Wilson, J. G., 219  
 Wilson, J. M., 34, 37



## 488 AUTHOR INDEX

Wilson, J. M. G., 220  
 Wilson, J. Q., 195  
 Wilson, M. G., 375, 379  
 Wilson, R. W., 160  
 Windle, W. F., 378  
 Winick, M., 151  
 Winikoff, B., 150  
 WINKELSTEIN, W. JR.,  
 253-76; 255, 257, 258, 261,  
 264, 269, 272, 364, 405,  
 415  
 Wirth, P., 135  
 Witschi, J., 445, 449-51, 455,  
 457, 465  
 Witte, J. J., 370-76, 378, 379  
 Wolfe, H. I., 374  
 Wolff, O. H., 222  
 Wolinsky, J. S., 375  
 Wollersheim, J. P., 464  
 Wolpe, J., 458, 462, 464  
 Wood, P. D., 265, 268  
 Woodall, J. P., 374  
 Woolley, F. R., 136  
 Wright, D. D., 136  
 Wright, F. S., 374  
 Wright, G. W., 402

Wright, P. F., 364  
 Wright, S., 466  
 Wrona, R. M., 220  
 Wu-Lee, M., 445, 449-51, 455,  
 457, 465  
 Wulff, H., 367  
 Wyatt, H. V., 364  
 Wyll, S. A., 372, 375, 378, 379

## Y

Yamamoto, M., 242  
 Yamane, T., 282  
 Yamashita, D., 447, 449, 450,  
 456  
 Yandle, B., 187  
 Yeager, A. S., 371  
 Yellin, I. A., 39  
 Yen, S. S. C., 207  
 Yett, D. E., 138  
 Yiamouyiannis, J., 79  
 Yorke, J. A., 369  
 Young, B., 378  
 Young, L. W., 364  
 Young, M. L., 380  
 Young, M. M., 417

Young, R. J., 196  
 Youngner, J. S., 368  
 Youtsey, J. L., 370

## Z

Zahradnick, J. M., 373  
 Zakus, G., 446, 449-51, 455,  
 458, 464  
 Zaubert, A. G., 131  
 Zawirska, B., 290  
 Zeidberg, L. D., 405, 408  
 Zelen, M., 37  
 Zeman, L., 371  
 Zengel, S. A., 375  
 Zetterstrom, R., 224  
 Ziai, M.-H., 375  
 Ziesat, H. A., 444, 449-51, 455,  
 464  
 Zifferblatt, S. M., 448  
 Ziring, P. R., 375  
 Zola, I. K., 160  
 Zollinger, H. U., 290  
 Zorska, K., 222  
 Zwemer, J., 42, 43  
 Zyla, L. D., 371

# SUBJECT INDEX

## A

- Abortion
  - and pregnancy screening, 36, 219, 235-36
- Abortuses
  - surveillance of, 242-44
- Accidents
  - behaviors associated with, 432
  - deaths from, 50-51
  - prevention of
    - safety behavior
      - reinforcement, 447, 455, 457
  - See also Automobile safety
- Aflatoxin exposure, 190-91
- Age
  - and access to physicians' care, 164-67
  - as adjustment factor in death rate, 49, 52-54
  - and dental health, 73-75, 78, 80-81, 83-84, 87
  - and health status, 162-63
  - and helminth infection, 106-7
  - and ischemic heart disease, 254-56
  - and lead exposure, 294
  - in mortality statistics, 314, 325
  - for mumps vaccination, 380-81
  - in national statistical data, 314, 320-21, 325
  - physiologic, 42
  - See also Children; Demographic factors; Fetus; Infants
- Aging
  - and lead exposure, 292, 294
- Aid to Families with Dependent Children, 175
- Air pollution
  - carbon monoxide in
    - asthma study of, 408
    - long-term effects study of, 416-27
  - exposure assessment, 414, 422
  - exposure-response assessment, 422-34
  - measurement of, 401-2, 404
  - photochemical oxidants and nitrogen oxides, 401-2
  - standards for, 398, 414
  - studies of, 408-14, 416, 418, 420
  - and respiratory mortality, 403-5
  - risks of in pregnancy, 4
  - study design needs, 423-25
  - studies of
    - hospital/clinic visits in, 412-13
    - pulmonary function in, 410-11
    - respiratory symptom diaries in, 408-9
  - sulfur dioxide and particulates as, 400-1
  - annual averages, 403-5
  - deaths from, 403-5
  - standards for, 398, 414
  - studies of, 408-14, 416-21
  - US standards of, 397-98, 400, 414
- Alabama
  - infant mortality study, 177
- Alcohol abuse, 432
  - behavioral intervention with, 42-43, 444, 456, 459, 461, 464
  - in pregnancy, 4, 35, 202-5
  - combined drug effects of, 212
  - combined smoking effects of, 203
  - programs for reduction of, 216-17
  - among women, 215
- Alma-Ata Conference on Primary Health Care, 1978 (WHO/UNICEF), 299-300, 302, 304-5, 308-11, 316, 320, 345
- Ambulatory care
  - comparisons across sites of
    - ancillary utilization in, 136-37
    - of cost data, 122-25
    - cost report based, 132-33
    - economies of scale in, 138
    - efficiency and productivity in, 138-39
    - intensity of care in, 133-35
    - in teaching and nonteaching facilities, 135-36
    - of utilization data, 125-27, 136-37
  - expenditure and cost data in, 119
  - hospital based
    - accounting systems for, 119-20, 127-30
    - patient characteristics of, 130-32
  - shifting sources of, 117-19
- Ambulatory Care Coding Scheme, 126
- American Academy of Family Practice, 15
- American Academy of Pediatrics (AAP), 14n, 15, 153, 157
- American Academy of Nurse-Midwives (ACNM), 14n
- American Cancer Society Survey, 42
- American College of Obstetricians and Gynecologists (ACOG), 14n, 15
- American Hospital Association, 14, 140
- American Medical Association (AMA), 15
  - and physical examination for the well, 32
- American Nurses Association (ANA), 14n
- American Petroleum Institute, 196
- Amniocentesis
  - candidates for, 233-34
  - older women as, 234-35
  - risks of, 234-36
  - for serum AFP testing, 235-37
  - surveillance of, 242-43
- Analgesics
  - and infant health, 209, 213
- Ancylostoma duodenale*, 102-7
- Anencephaly
  - screening for, 235-37
- Angina, 58
  - See also Cardiovascular disease
- Animal bioassay
  - of air pollutants, 399, 401
  - of cholesterol hypothesis, 62
  - in drug assessments, 209
  - of lead exposure, 291, 294
  - "megamouse" study, 192
  - and risk evaluation, 189, 191-92
  - of rubella vaccine, 378-79
- Anthrax vaccine, 364
- $\alpha_1$ -Antitrypsin deficiency screening for, 232
- Anxiety management, 462
- Arizona
  - Tucson
    - air pollution study, 411
- Arteriosclerosis

# 490 SUBJECT INDEX

- behaviors associated with, 432
- See also Cardiovascular disease
- Ascaris lumbricoides*, 102-4, 112
- Aspirin
  - chronic use of
  - pregnancy effects of, 213
- Asthma
  - in air pollution studies, 408-9, 413
  - behaviors associated with, 432
- Atherosclerosis, 60, 62
- See also Cardiovascular disease
- Australia
  - infant feeding trends in, 149-50
  - Melbourne rubella epidemic, 209
- Automobile safety
  - lead regulations for, 280
  - regulations for, 187-89, 193
- B**
- Bacteria
  - disease model of, 101, 103
- Behavioral intervention
  - assessment process in, 448, 453-54
  - clinical strategies for assertiveness training, 458-59
  - behavior rehearsal, 457-58
  - contracts, 454-56
  - hypnotherapy, 460-61
  - modeling, 456-57, 464
  - reinforcement, 454-56, 464
  - relaxation training, 459-60, 462
  - self-management, 465-66
  - social learning, 456
  - systematic desensitization, 462
  - cognitive processes of, 42, 44, 435, 462-64
  - compliance with, 433-34
  - disease factors of, 436
  - learning environments affecting, 438-39
  - literature on, 440-47
  - person factors of, 436, 441
  - research needs in, 438-39, 450-51
  - conditions conducive to, 435, 449
  - "teachable moment" as, 42
  - current status of, 439-40
  - research selection on, 440
  - review of selected research, 442-47, 449-52
  - study assessment criteria, 440-49
  - in ischemic heart disease risk factors, 263, 271-72
  - for physiologic response changes, 433
  - as problem-solving behavior, 435, 437
- Behavioral modification, 434-35
- See also Accidents; Alcohol abuse; Diet; Drug abuse; Hypertension; Obesity; Smoking
- Belgium
  - Meuse Valley pollution episode, 403
- Beta-adrenergic blocking drugs, 58
- Beta-blocker Heart Attack Trial (BHAT), 58
- Birth defects
  - screening for, 233-37
- Birth centers
  - and childbirth controversy, 2-3
  - in-hospital facilities, 12-15
  - out-of-hospital facilities, 11-12
  - risk issues of, 3-4
- Birth process
  - cesarean section, 7-8
  - controversy surrounding, 2-4, 6-10, 16-17
  - episiotomy, 5, 7
  - and lactation, 155
  - in homes, 3, 10-11
  - induction of labor, 8
  - Lamaze method, 6
  - medicalization of, 1-2, 4-6
  - technology in, 7-8
  - See also Fetus; Infants; Women, lactating, pregnant
- Blood fluke, 104
- See also Schistosomiasis
- Blue Cross, 18
- reimbursement policies of and ambulatory care costs, 122
- study of New York hospitals, 129-30
- See also Insurance coverage
- Botulism, 185-86
- Branched chain ketoaciduria (BCK)
  - screening for, 228-29, 232
- Brazil
  - schistosomiasis program, 108-9
- Bronchitis
  - and air pollution, 405
  - behaviors associated with, 432
- C**
- California
  - cesarean births in, 8
  - Committee to Study Alternative Birthing, 8-9
  - Hayward Hospital hospice unit, 24
  - infant mortality in, 214
  - Los Angeles
    - air pollution studies, 408-10, 418
- Madera
  - birth environment, 4, 10
- Marin Hospice, 21, 24
- Relative Value Scale (CRVS), 124
- San Diego
  - air pollution study, 418
- San Fernando Valley
  - pediatrician survey, 155
- San Francisco
  - Mount Zion Hospital, 13
  - San Francisco General Hospital, 13-14
- Stanford Heart Disease Prevention Project, 265, 267-68, 271
- Stanford University Medical Center
  - Department of Oncology, 24
- university students
  - air pollution study of, 412
- Watsonville, Gilroy, Tracy
  - IHD reduction study, 265, 267-68, 271
- Canada**
- Indian populations of
  - infant nutrition among, 151
- Montreal
  - air pollution study, 418
  - Royal Victoria Hospital, 23
- Ontario
  - Hamilton air pollution, study, 412
  - Perinatal Mortality Study, 208
  - periodontal disease in, 83
- Quebec
  - tyrosinemia in, 231
- Canadian Paediatric Society, 157
- Cancer
  - animal bioassay of

- dose-response affects in, 191-92
- behaviors associated with, 432
- of bladder and saccharin, 184-85
- of breast detection and prevention, 170-71
- of cervix detection and prevention, 170-71
- deaths from, 50-51
- of liver and aflatoxin exposure, 190-91
- of lungs and air pollution, 405 among women, 214
- models of and risk analysis, 191-92
- preventive care for, 170-71
- screening for, 36
- See also Smoking
- Carcinogens
  - aflatoxin, 190-91
  - benzene, 186, 187n, 195-96
  - saccharin, 184-85
  - sodium nitrite, 185-86, 189 in workplace standards for, 183, 186-87
  - See also Lead exposure
- Cardiograph misinterpretation of, 97
- Cardiopulmonary resuscitation, 56-59
- Cardiovascular disease
  - behaviors associated with, 432
  - intervention in, 446, 460
  - declining deaths from, 49-53, 67
  - age adjustment in, 52-53
  - epidemiology of, 60, 66-67
  - magnitude of, 53-56
  - and noncardiovascular disease compared, 50-53
  - reasons for, 56-59
  - risk factor modification and, 60-64
  - increasing deaths from, 67
  - management trends in, 67-68
  - risk factors of, 44, 60-62
  - assessing of, 61-63
  - individual changes in, 60-64
  - social changes in, 64-66
  - screening for, 35
  - cholesterol levels in, 41-42
  - See also Cholesterol level; Hypertension; Ischemic heart disease; Smoking
- Catholic Maternity Institute, 11-12
- Center for Disease Control, 277-78, 287
- US Immunization Survey, 1978, 172
- Center for Health Administration Studies (CHAS) household survey, 164, 168-70
- Cerebrovascular disease
  - behaviors associated with, 432
  - death rates from, 51-53
  - age adjusted and crude, 53-54
  - risks of, 61
- Cestode infections, 104
- See also Helminth diseases
- Children
  - growth and development indicators of, 314-15, 339-42
  - immunization of, 171-72
  - lead exposure of, 279-84, 293-94
  - population studies of, 284-90
  - mortality statistics on in national planning, 314-15, 324
  - of mothers who smoke, 205
  - psychosocial disorders of, 341-42
  - respiratory diseases of, 424
  - and air pollution, 410-11, 413, 417, 419-21
- Cholesterol level
  - behavioral reduction of, 450, 455, 457, 460, 465
  - and cardiovascular deaths, 43, 60-62
  - testing causality hypothesis of, 62-64
  - and changing American diet, 66
  - and ischemic heart disease, 256-58
  - added factor of smoking in, 261-62
  - with smoking and hypertension factors, 258, 262-64
  - screening for, 35
  - risk assessment in, 40-41
- Chromosome abnormalities and mutagens, 219-20
- surveillance for newborns for, 240-43
- Chronic illness
  - activity limitation from, 174
  - impact measures of, 162
  - and physician utilization, 167
  - prevention programs for, 65
  - respiratory and air pollution, 405-7
  - See also Dental caries; Periodontal disease
- Chronic obstructive pulmonary disease
  - deaths from, 50-51
- Cigarette smoking
  - See Smoking
- Cirrhosis of the liver
  - behaviors associated with, 432
  - See also Alcohol abuse
- Clinical studies
  - of air pollution, 399
  - alpha and beta factors of, 62
  - of risk factor modification, 63-64
- Clinics
  - ambulatory care in, 118
  - comparisons with other sites, 134
  - cost data for, 122-24
  - economies of scale in, 138
  - hospital based, 118
  - See also Ambulatory care; Hospitals
- Clinics, private
  - use patterns of, 169-70
- Clonorchis sinensis*, 104
- Clostridium botulinum*, 185-86
- Coal
  - environmental issues of, 184
  - regulating use of, 398
  - and respiratory disease, 415, 419
- Collaborative Perinatal Study, 285-86
- Colorado
  - neonate screening in, 238
- Community Health Center Program, 176-77
- Community health centers
  - costing methods of, 122-24
  - and health status, 176-77
- Community health programs
  - for ischemic heart disease, 157-59
  - program needs of, 177-80
- Congenital disorders
  - See Screening
- Connecticut
  - Farmington
  - Manchester Memorial Hospital, 13
  - Hospice for the Greater New Haven Region (Hospice Inc.), 22-23
  - Survey of Cancer deaths, 24
- Consumer issues
  - See Birth process; Death process

- Contraceptives  
oral  
mortality from, 43  
Coronary artery bypass surgery, 58-59  
Coronary artery disease  
death rates from, 55  
risk factors of, 60-61  
Coronary care  
advances in, 56-58  
Coronary heart disease  
See Cardiovascular disease;  
Ischemic heart disease  
Coronary Primary Prevention Trial (CPPT), 63-64, 66  
Coronary transplants, 67  
Cost-benefit analysis  
See Risk  
Cotton-dust exposure  
regulation of, 183, 195  
Council for Mutual Economic Assistance, 307  
Cultural variables  
in national statistics, 321-22  
Cystic fibrosis screening, 232
- D**
- Death  
from air pollution, 403-6  
leading causes of  
behaviors associated with, 432  
changes in, 49-51  
Geller-Gessner Tables for, 42-43  
racial differences in, 163  
statistic gathering on, 316-29  
predictors of, 43  
statistics on causes of, 314-15, 324-29  
"Minimal Mortality List," 327-28  
See also Mortality indicators  
Death process  
bereavement in, 19-21  
decisions on, 17  
historic trends in, 17-20  
medicalization of, 1-2  
See also Hospices  
Death rates  
age adjusted, 49  
versus crude, 52-54  
age specific, 313  
in Health Hazard Appraisal, 42-43  
as health status indicator, 162-63  
neonate  
among minority groups, 4  
See also Mortality indicators  
Demand characteristics, 437-38, 441, 449  
Demographic data  
in national statistical systems, 306, 314  
Demographic factors  
in ambulatory care trends, 118, 130-32  
and behavioral interventions, 436-37, 441  
in national mortality rates, 320  
and risk modification, 44, 60  
See also Age; Education;  
Geographic location;  
Income; Race; Sex  
Dental care  
utilization of, 172  
Dental caries, 72  
host factors of  
saliva, 72, 76  
teeth, 73, 75-76  
microorganisms promoting, 73, 76  
plaque and, 72, 76-77  
prevention of  
community programs, 79-82  
fluoridation, 75-82  
oral hygiene for, 76, 78, 81  
primary, 75-79  
prophylaxis, 76, 78, 80-81  
sealants, 76, 78, 81, 87  
secondary, 78-79, 87  
vaccines, 76  
of roots, 72, 74, 76-77, 87  
substrate of, 73, 77  
time factors of, 73  
Dental health  
DMF index of, 73-74, 172  
Depression  
behavioral intervention with, 459  
Developing countries  
information needs of, 308-11  
on child development, 339-42  
concepts and methods in, 315-16  
on health care systems, 345-58  
on morbidity and disability, 329-39  
on mortality and life expectancy, 316-29  
national planning indicators, 314-15  
on social conditions, 342-45  
uses and users of, 301-2, 311-15  
nutrition of children in, 146, 150-51  
Devonshire colic, 279  
Diabetes, 60-61  
behaviors associated with, 432  
screening for, 36  
Diagnostic tests  
in Multiphasic Screening projects, 38  
See also Mammography;  
Urinalysis  
Diarrhea  
infant and childhood deaths from, 146, 150-51, 315, 357  
Diet, 432  
behavioral intervention with, 436, 445-46, 450, 455, 464  
and cholesterol level, 269-70  
compliance with, 433  
and dental caries, 73, 75, 77-78, 81  
lead contamination in, 280-81, 293-94  
national statistics on, 314, 342, 344  
and PKU treatment, 221  
of pregnant women, 4, 145-46  
See also Cholesterol level;  
Malnutrition; Vitamins  
*Diphyllobothrium latum*, 103-4  
Disability measures, 314, 334-39  
Diseases  
infectious, 101  
macroparasitic, 102  
See also Helminth diseases  
morbidity statistics on, 314-15, 330-34, 356  
mortality statistics on, 314-15, 324-29  
See also Chronic illness;  
Illness; Immunization  
"Disparity Reduction Rates" of PQLI, 304  
District of Columbia  
infant mortality in, 214  
neonate screening in, 239  
Doula effect, 149-50, 155  
Down syndrome  
diagnosis of, 240-42  
risk in older women, 234-35  
Drug abuse  
behavioral intervention in, 443, 451, 455-56, 459-62, 464  
as predictor of mortality, 43  
in pregnancy, 4, 209-10  
addiction problems, 210-12  
combined smoking effects on, 212  
over-the-counter drugs, 212-13  
programs for reduction of, 216-17

among women, 215  
Duchenne muscular dystrophy  
screening for, 232

# E

*Echinococcus granulosus*, 104  
Ecological prevention model,  
268-70

Edna McConnell Clark  
Foundation, 108

Education  
and dental health, 78-79, 84  
and prenatal care, 171

Elderly  
life expectancy of, 174  
medical care utilization by,  
173-75

See also Age; Aging;  
Demographic factors

Emphysema  
and air pollution, 405  
behaviors associated with,  
432

*Enterobius vermicularis*, 103-4,  
112-13

Environmental pollutants  
screening for effects of,  
219-20

Environmental regulation  
See Air pollution; Lead  
exposure; Risk; Water  
supply

Epidemiological studies  
of air pollution, 399-400, 422  
of photochemical oxidants  
and NO<sub>x</sub>, 402  
of cardiovascular risk, 60,  
66-67

of dental caries, 73-74  
of fluoride danger, 79  
information gathering for  
in developing countries,  
311, 326

of ischemic heart disease,  
254-56

of lead exposure, 289-90  
of periodontal disease, 82-84  
regression to the mean in, 38  
for risk evaluation, 43-44,  
190-91

of saccharin, 185  
European Economic  
Community (EEC), 307

Exercise tolerance test  
emotional reactions to, 96,  
98

"Expectation of Life Free of  
Disability" index, 304

# F

Family health programs  
for substance abuse, 215-16

Family planning  
national programs in, 343

*Fasciola hepatica*, 104

*Fasciolopsis buski*, 104

Federal programs  
See Medicaid; Medicare;  
Public health programs;  
United States legislation

Fertility rate  
and family planning policy,  
343

Fetal alcohol syndrome, 202-4

Fetus  
abnormalities of  
screening for, 233, 235  
biparietal diameter of, 207,  
210

electronic monitoring of, 3,  
7-8, 233

growth retardation in  
from drug abuse, 210-13

from smoking, 205-7  
and lead exposure, 292-94

malnutrition of, 147  
and maternal nutrition,  
145-46

and rubella vaccine viruses,  
375, 378-79

spina bifida in, 36, 235-37  
and teratogenic compounds

animal bioassay of, 209  
See also Infants,  
extero-gestate fetus  
stage; Screening

Filaria, 102-4

Finland  
North Karelia project,  
265-68, 271

Florida  
neonate screening in, 239

Fluke infections, 104  
See also Schistosomiasis

Fluoride ion caries prevention  
community programs of, 75,  
79-80, 87

individual systemic intake of,  
75-77, 80

school programs of, 75, 80  
topical application of, 76-78,  
80-81, 87

in water supply, 75, 80  
Framingham Study, 42-43,  
256-58

Frontier Nursing Service, 6,  
134, 137

# G

Galactosemia  
screening for, 228-29, 232

Geller-Gessner Tables, 42-43  
Geographic location  
and dental care utilization,  
172

and dental health, 84  
and helminth infection,  
106-7

and infant mortality, 213-14  
in British health planning,  
318

and ischemic heart disease,  
254

and maternal mortality,  
213-14

and physician use patterns,  
166-67, 176

and program participation,  
261

of residence  
in national statistical data,  
314, 320-21

and respiratory disease,  
406

Germany, Federal Republic of  
Berlin

air pollution study, 415  
Giant roundworm, 102-4, 112

Global Commission for  
Certification  
of Smallpox Eradication  
(WHO), 366

Gross National Product  
(GNP), 320, 344, 353

# H

*Haematolaeus colaradensis*,  
110

Harvard Primary Care  
Program, 135

Hazardous substances, 240  
cotton dust, 183, 195

dose-response relationships  
in, 190-91

regulation of, 193-95  
freedom of choice issues  
in, 188, 194

See also Carcinogens;  
Chromosome  
abnormalities; Lead  
exposure; Mutagens; Risk;  
Teratogens

Health and Nutrition Surveys  
(HANES), 66

Health education  
See Behavioral intervention

Health for All by the Year  
2000, 299-300, 302, 304-5,  
308-11, 316, 320, 345

Healthfulness  
measures of, 302-5, 329-30

Health Hazard Appraisal  
(HHA), 32, 42-45

Healthfulness  
measures of, 302-5, 329-30

Health Hazard Appraisal  
(HHA), 32, 42-45

Health indexes, 302-5

- Health indicators  
 clarifying nature and purpose of, 302-5  
 integration with social indicators, 305-8  
 for national planning, 314-15  
 users of, 301-2, 311-15  
 See also Indicators;  
 Information systems
- Health Interview Survey (NCHS), 161-62, 164, 167
- Health Maintenance Organizations  
 screening programs of, 40  
 See also Community health centers
- Health services  
 equitable distribution of, 160  
 financing of  
 indicators of, 315, 352-54  
 indicators of  
 for national planning, 314-15  
 local programs of, 333-34  
 measures of, 345-46  
 of accessibility and acceptability, 349-50  
 of availability, 347-49  
 of coverage, 346-47  
 of effectiveness, 354-58  
 of financing, 352-54  
 of process, 352  
 of utilization, 350-52  
 utilization process, 351
- Health statistics, 302-4  
 See also Health indicators;  
 Indicators; Information systems
- Health status  
 measures of, 160-63  
 for determining health care effectiveness, 354-58  
 disease specific morbidity, 314, 330-34  
 and mortality rates, 162-63  
 and physician utilization, 165-68  
 self-assessment of, 161-62
- Heart attack  
 See Cardiovascular disease;  
 Coronary heart disease;  
 Ischemic heart disease;  
 Myocardial infarction
- Heart disease, congenital, 52  
 advances in treatment of, 56-57
- Heart-lung machine, 56-58
- Helminth diseases  
 major types and manifestations, 104  
 model of, 102, 107  
 treatment of, 102-3, 106-14
- Hemodialysis treatment  
 behavioral reinforcement of, 447, 455-56
- High blood pressure  
 See Hypertension
- Histidinemia, 230  
 screening for, 230-31
- Home-based treatment  
 of dying persons, 24-25  
 of pregnancy and childbirth, 10-11
- Homocystinuria  
 screening for, 229-30
- Hookworm, 102-7  
 control of, 106-7  
 life cycle of, 105  
 manifestations of, 104-6
- Hospices, 19-20  
 and bereavement, 19-21  
 British prototypes of, 22-23  
 family and volunteer care in, 20-21  
 freestanding, 22-23  
 home care programs, 24-25  
 hospital affiliated programs, 23-24  
 pain management in, 20  
 terminal illness in, 20
- Hospitals  
 ambulatory care in, 117-19  
 patient-diagnostic mix in, 130-32  
 birth in, 1-6  
 costs of, 9  
 environments for, 8-9  
 fragmentation and depersonalization of, 9-10  
 reaction against, 6-10  
 risks of, 3-4  
 separation of mother and infant in, 8  
 technology of, 7-8  
 birthing centers in, 12-15  
 cost allocation procedures in, 127  
 of ancillary costs, 129-30  
 of overhead, 127-29  
 cost reports of, 122-23  
 alternate measurement techniques, 123-25  
 comparisons by site based on, 132-33  
 death in, 1-2, 18-20  
 design of, 5-6, 9  
 emergency room-outpatient facilities  
 ambulatory care trends in, 118  
 cost accounting in, 126  
 patient income in, 125, 131-32  
 intensive care nurseries, 12, 16
- intensive care units, 21  
 patient reactions to, 98-99  
 outpatient departments  
 use of patterns of, 169-70  
 regionalization of, 15-16  
 statistical information needed on  
 for national planning, 314-15, 345, 348-50  
 with teaching programs  
 cost allocation  
 methodology, 130  
 financial impact of, 135-36  
 productivity of, 135-36, 138-39  
 utilization data for, 125-27  
 See also Ambulatory care;  
 Hospices
- Household surveys, 306-7, 333, 338-39, 345
- Hydatid cyst, 104
- Hypercholesterolemia, 63  
 See also Cholesterol level
- Hypertension  
 behavioral intervention with, 444-45, 451, 457, 460, 464  
 comparison of treatment by site, 134  
 deaths from, 51-52  
 classification of, 51  
 detection and control of, 64-65, 67-68  
 detection and prevention of, 257-61  
 stepped and regular care in, 260, 263  
 and ischemic heart disease, 256, 258  
 with smoking and cholesterol factors, 257-58, 262-64  
 risks of, 61  
 screening for, 35-36
- Hypertension Detection and Follow-up Program, 61, 65, 259-61, 271
- Hyperthyroidism  
 transient, 225
- Hypothyroidism, congenital  
 screening for, 36, 222-26  
 benefits and costs of, 226, 232  
 best method of, 223-24  
 risks from diagnosis and therapy, 225  
 treatment of infants so labeled, 224-25
- I
- Identifiable Medical Product measure, 126
- Illinois



- Chicago  
Cook County Hospital air pollution study, 412  
Coronary Prevention Evaluation Program (CPEP), 262-63, 271
- Illness**  
statistical measures of, 329-30  
stresses of, 94  
and technology, 95-97
- Immunization of children**  
income differences in, 171-72  
ideal agent for, 364  
for measles, 370-74  
for mumps, 380-81  
for rubella, 375-79  
and smallpox eradication, 365-68  
statistical data on, 315, 356
- Income**  
and ambulatory care use, 131-32  
and birthing practices, 3-6, 8-9  
and dental care utilization, 172  
and dental health, 74, 78-79, 84  
and health status, 160-63  
and ischemic heart disease, 254, 269  
and Medicare eligibility, 173-74  
national statistics on, 314, 342  
and physician access, 163-70, 174-76  
and preventive care, 170-72  
source of care by, 168-70  
See also Poor
- Indexes, 302-5**  
See also Health indicators; Indicators
- "Index of Reproductive Efficiency," 303
- Indiana**  
Indianapolis  
hospital outpatient cost allocation, 128-29  
Methodist Hospital of Health Hazard Appraisal technique, 42-45
- Indicators**  
clarifying nature and purpose of, 302-5  
of dental caries  
DMF and DEF indexes, 73-74, 172  
of health status, 160-63  
integration with social indicators, 305-8  
See also Health indicators; Health status; Information systems; Socioeconomic indicators
- Industrialized nations**  
disease in, 71  
health statistics in, 312  
mortality trends in, 18  
See also Developing countries
- Infant food industry, 154, 156-57**
- Infants**  
birth weight of  
as indicator, 339-40  
breast feeding of, 13-14, 146-57, 230  
and congenital disorders, 230  
classification of, 145-46  
extero-gestate fetal stage of, adaptive suckling response in, 147-48  
formula and cows milk diet for, 147-48, 151, 153-54  
and measles susceptibility, 371  
nutritional needs of, 146  
low birth weight, 2-3, 171, 214  
and alcohol use, 202-3  
and drug abuse, 210-12  
and mortality, 214  
and smoking, 207-8  
mortality of  
from congenital defects, 226, 228  
and health care, 171, 177  
and insurance coverage, 175  
and maternal diet, 146  
national grouping by, 310, 320  
race and income factors in, 162-63  
reduction by methadone program, 211  
reduction by screening, 35  
statistics on, 314-21, 256  
premature, 3, 10, 16  
and alcohol abuse, 202  
and smoking, 207-8  
surveillance of  
for chromosome abnormality, 240-42  
transitional phase  
measles susceptibility in, 371-72
- See also Birthing centers; Birth Process; Fetus; Neonates; Women, lactating
- Influenza**  
behaviors associated with, 432  
deaths from, 49-51  
and temperature extremes, 404  
innoculation against  
behavioral reinforcement of, 456
- Information systems**  
of developing countries, 308-11, 314-16  
healthfulness measures, 329-45  
health services measures, 345-58  
mortality and survival measures, 316-29  
national planning indicators, 314-15  
priorities of, 300-2  
clarifying of indicators, 302-5  
for developing countries, 308-11, 314-16  
identifying uses and users, 311-15  
integrating health and social indicators, 305-8
- Insurance coverage, 351**  
and birth defect screening, 237  
and costs of dying, 18  
and health care use patterns, 166-67, 169  
and infant mortality, 175  
reimbursement practices for ambulatory care, 119, 121-25, 129-30
- International Classification of Diseases (ICD), 51, 308, 310, 314, 325-27, 334**  
Basic Tabulation ("A") list, 325
- International Classification of Health Problems in Primary Care (ICHPPC-2), 310, 327**
- International Collaborative Study of Medical Care Utilization (WHO), 337**
- International Epidemiological Association, 301**
- International Health Board, 105**
- International Labor Organization**

- International Standard  
Classification of  
Occupations, 322
- Inter-Society Commission, 260
- Intestinal fluke, 104
- Ireland  
homocystinuria in, 229-30
- Irish Sisters of Charity  
hospice, 20
- Iron deficiency  
and lead poisoning, 281-82,  
294
- Ischemic heart disease, 253-54
- deaths from, 50-53, 59, 254
- classification of, 51
- by sex and age, 255-56
- diagnosis of, 59
- epidemiology of, 254-56
- prevention of  
community programs for,  
257-59, 271-72
- discussion and  
recommendations for,  
270-73
- ecological model of,  
268-70
- efficiency of interventions  
in, 257-58
- medical model of, 259-61,  
271
- multifactorial intervention  
for, 64, 158, 262-64
- public health model of,  
264-68, 271-73
- risk factors of,  
attributable and relative,  
256-57
- treatment of, 57-58
- See also Cardiovascular  
disease
- J**
- Japan  
Tokyo  
air pollution studies, 404
- Joint Commission on the  
Accreditation of Hospitals  
(JCAH), 12
- K**
- Kaiser Foundation Health  
Plan, San Francisco  
Multiphasic screening  
program, 37-38
- evaluation study of, 40-41
- Kaiser-Permanente group  
Hayward Hospital  
hospice unit, 24
- heart attack data of, 59
- Kentucky  
Frontier Nursing Service, 6,  
134, 137
- Kenya  
schistosomiasis control in,  
110-12
- study of rural children, 341
- Kwashiorkor, 146
- L**
- La Leche League International  
(LLL), 149-53
- Lead exposure  
aminolevulinic acid  
dehydrase (ALA-D)  
activity and, 281-82,  
294
- cancer effects of, 290
- in contemporary humanity,  
292-93, 295
- environmental pathways of,  
279-80
- and free erythrocyte  
protoporphyrin (FEP)  
concentration, 281-82
- high dose effects of, 283-84
- in history, 278-79
- low dose effects of  
in populations of children,  
284-90, 292
- mutagenic effects of, 290-91
- physiology of, 280-81, 290
- biochemical toxicology of,  
281-83
- vulnerability factors, 281
- reproductive effects of,  
292-92
- sources of, 279
- Leonard Davis Institute of  
Health Care Economics,  
118
- Life expectancy  
improving of  
with behavioral  
interventions, 432-32
- measures at birth, 314,  
316-17
- utility of, 317-20
- Lipid Research Clinics  
Coronary Primary  
Prevention Trial  
(CPPT), 63-64, 66
- Literacy statistics  
in national data programs,  
342-43
- Liver fluke, 104
- Lung fluke, 104
- M**
- Macroparasites, 102
- See also Helminth diseases
- Malnutrition  
and childhood diet, 146
- of fetus, 147
- and lead exposure, 285
- and smoking  
in pregnancy, 205-8
- Mammography, 36
- risks of, 97
- Marasmus, 146, 150-51, 315,  
357
- Maryland  
Baltimore  
periodontal health study,  
83-84
- screening study, 41
- Commission on Hereditary  
Disorders, 239
- neonate screening, in, 229,  
238-40
- Massachusetts  
Boston  
air pollution study, 417
- pinworm study, 113
- neonate screening in, 238
- Maternal health care  
in hospitals  
depersonalization of, 9-10
- See also Birthing centers;  
Birth process; Women,  
lactating, pregnant
- Maternal PKU  
screening for, 222
- Maternal serum AFP testing,  
235-37
- Mayo Clinic  
Olmstead County Study, 59
- Measles  
immunization against, 364,  
370-71
- and susceptibility, 371-72
- and vaccine failures,  
372-74
- Medicaid, 117, 160, 168, 180
- and costs of dying, 18
- and outpatient facility use,  
131
- reimbursement procedures,  
130
- and cost accounting, 122
- utilization data, 169, 175-76
- in community facilities,  
177
- Medically underserved areas  
(MUAs), 176-77
- Medicare, 177
- ancillary cost formula, 129
- Cost Report, 122, 128-29
- and costs of dying, 18
- Hospital Insurance (HI), 173
- and outpatient facility use,  
131
- reimbursement procedures,  
130
- and cost accounting  
methods, 122-23
- Routine Cost Limits, 122
- Supplementary Medical  
Insurance (SMI), 173-74

utilization data, 173-75

Medication  
compliance regimes for, 433,  
460, 462, 466

Mental retardation  
and drug abuse, 209  
screening for, 220, 232  
diagnosis delays in,  
222-23, 228-29  
See also Lead exposure

Methadone treatment  
in pregnancy, 210-11

Metropolitan Life Insurance  
Company, 32

Microparasites, 101

Midwives, 2, 5-6, 10, 14  
certified nurses as, 7, 11  
infant screening by, 221

Migrant Health Center  
Program, 176-77

Minority groups  
women of  
pregnancy experience of, 4,  
8-9, 14  
See also Race

Mississippi  
infant mortality in, 177, 214

Morbidity measures  
disease specific, 327, 330-34  
of health service  
effectiveness, 355

Mortality indicators, 316-17  
availability of data for,  
319-21  
on cause of death, 324-29  
for infants, 316-19  
maternal, 314-15, 325, 356  
perinatal, 323-24  
socioeconomic  
subclassifications of,  
321-23  
See also Death; Death rates

Multiphasic Checkup  
Evaluation Study, 40-41

Multiphasic Screening (MPS)  
projects  
automated, 37-39  
components of, 38  
evaluation of, 40-41

Multiple Risk Factor  
Intervention Trial  
(MRFIT), 64, 262-64, 271,  
273

Mumps  
immunization against,  
380-81

Muscular dystrophy  
screening for, 232

Mutagens, 240-41, 243  
and chromosome damage,  
219-20  
lead exposure as, 290-91

Myocardial infarction  
deaths from 255, 261, 267

# N

National Academy of Sciences,  
185  
air pollutant studies, 402

National Cancer Surveys, 272

National Center for Health  
Statistics, 42, 50-51  
Health and Examination  
Survey of 1971-1975,  
83-84  
Health Interview Survey,  
161-62, 164  
use-disability measures, 165

National Conference on Health  
Promotion, 44

National Cooperative Pooling  
Project, 258, 263

National Diet-Heart Study, 63

National Foundation for  
Infantile Paralysis, 368

National Health Insurance  
Experiment 167-68,  
175-76

National Health Service Corps  
(NHSC), 176-77

National Health Survey, 78-79

National Heart, Lung and  
Blood Institute (NHLBI),  
49-51, 63, 259

National High Blood Pressure  
Education Program, 64-65

National Institute of Health,  
259  
Hypertension Detection and  
Follow-up Program, 61,  
65, 259-261, 271

National Natality data, 171

National Opinion Research  
Center (NORC)  
household survey, 164,  
168-70

*Necator americanus*, 105-6

Nematode infections, 104  
See also Helminth diseases;  
Hookworm

Neonates  
birth weight of  
in high-risk populations, 3  
breast feeding of, 13-14,  
146-57, 230  
care of  
centralization trends in, 2,  
4, 15-16  
narcotic withdrawal  
syndrome in, 212  
surveillance of  
for chromosome  
abnormalities, 240-42  
See also Infants; Screening

Netherlands  
maternal and infant  
mortality in, 10-11  
polio vaccination in, 369

pregnancy screening in, 3-4

Westland  
air pollution study in, 421

Neural tube defects  
screening for, 235-37

New Mexico  
Albuquerque  
Southwest Maternity  
Center, 11  
Catholic Maternity Institute,  
6  
childbearing centers in  
licensing issues of, 12

New York State  
ambulatory care in, 118

Buffalo  
air pollution study in, 415

Maternity Center  
Association, 6, 11  
Childbirth Center, 11  
Medicaid ceiling in, 117

New York City  
air pollution episodes in,  
403  
air pollution studies in,  
403-4, 413  
hospital cost allocation in,  
128-29, 132  
sickle cell anemia program  
in, 227

St. Luke's Hospital  
Symptom Control Team,  
24

Uniform Financial Report,  
129

western  
congenital defects in,  
227-29

Nigeria  
vital statistics collection  
study, 311

Norway  
Ammenhjelpen organization,  
149-50

Nurses  
as midwives, 7, 11

Nurses Association of the  
American College of  
Obstetricians and  
Gynecologists  
(NAACOG), 14#

Nursing Mothers Association  
of Australia (NMAA), 149

O

Obesity  
behavioral intervention in,  
445, 455, 457, 460-61,  
464-65  
See also Diet

Obstetrical care  
centralization trends in, 2, 4,  
15-16

- nurse assistants in, 4
- Occupation  
in national statistical data,  
322
- Occupational hazards  
carcinogen exposure  
regulation of, 186-87  
exposure to  
and mortality prediction,  
43  
lead exposure  
regulation of, 278  
to pregnant women, 212-13  
*Onchocerca volvulus*, 104
- Oregon  
Cottage Grove  
Birth Center, Lucinia Inc.,  
12  
neonate screening in, 232,  
238  
Portland  
fluoridation controversy in,  
79  
Kaiser clinics in, 134
- Organization for Economic  
Co-operation and  
Development (OECD), 307
- Social Indicators  
Development  
Programme 315, 357  
Working Party on Social  
Indicators, 337
- Organization of American  
States, 307
- P
- Pain management  
behavioral intervention with,  
461, 464  
in hospice settings, 20
- Pan American Health  
Organization (PAHO),  
334
- PAP smear, 35
- Paragonimus westermani*, 104
- Parasitic diseases  
See Helminth diseases
- Patient-therapist interactions  
in behavioral intervention,  
436-39, 452-53, 458
- Pennsylvania  
Donora  
pollution episode, 403  
Philadelphia  
air pollution study, 413  
Booth Maternity Center,  
13  
Pittsburgh  
air pollution study
- Perinatal mortality rates,  
323-24
- Periodic health examination  
cost effectiveness of, 31-32,  
37, 43  
health effectiveness of, 40-41  
by mobile unit, 39  
technology in, 97
- Periodontal disease  
extractions due to, 73  
gingivitis, 82-83  
oral hygiene and, 84, 86  
periodontitis, 82-83  
assessment of, 84  
plaque and calculus in, 77,  
83-86  
prevention of  
brushing technique and, 85  
community programs for,  
86  
dental care and, 84-86  
dental flossing and, 85  
individual behaviors for,  
84-85  
oral hygiene and, 82,  
84-87  
prophylaxis and, 84, 86-87  
rinses and gels for, 85
- Periodontal Index (PI), 83
- Phenylketonuria (PKU)  
maternal, 222  
screening for, 36, 219-22,  
237-38  
cost benefit analysis of,  
226, 232  
dietary therapy for, 222  
effectiveness of, 237-239  
timing of, 221
- Phobia management, 462
- "Physical Quality of Life  
Index" (PQLI), 304
- Physician-patient relationship,  
94  
and risk-behavior changes,  
42-43  
and technology, 93, 95-99  
in intensive care units,  
98-99  
and treatment compliance,  
438-39, 452-53, 458  
See also Patient-therapist  
interactions
- Physicians  
access to, 163-64  
by income group, 164-65,  
174-76  
ambulatory care trends of,  
118  
follow up of test results by,  
39, 41  
in group practice  
ancillary utilization by,  
137  
economies of scale in, 138  
efficiency and productivity  
of, 138
- practice organization trends  
of, 118  
role in resource consumption  
of, 132  
variations by type of  
practice, 134, 137
- substance abuse information  
for, 216
- utilization measures of  
visits adjusted for health  
status, 165-66  
visits adjusted for health  
status and other  
factors, 166-68  
visits to, 165-68  
Medicare coverage and,  
173-74
- Pinworm, 103-4, 112-13
- Pneumonia  
behaviors associated with, 432  
deaths from, 49-51  
statistics on, 315, 357  
pneumococcal  
in children and young  
adults, 315, 357
- Poliomyelitis  
immunization against,  
364-65, 368-69  
and eradication prospects,  
359-70  
and naturally recurring  
cases, 369
- Poor  
dental care of, 172  
federal programs for, 173-80  
health status of, 160-61  
mortality indicators of,  
162-63  
self-report measures of,  
161-62  
hospital treatment of, 4-6  
infant feeding patterns of  
public health needs for,  
150-51  
infant mortality among, 3,  
146  
ischemic heart disease  
among, 254, 269  
lead exposure of, 281, 285  
Medicaid coverage of,  
175-76  
physician access for, 163-70  
preventive care for, 170  
of children, 171-72  
of women, 170-71
- Population based indicators,  
321-23, 342  
See also Demographic  
factors; Socioeconomic  
indicators
- Population based studies  
of lead exposure, 284-89  
evaluation of, 289-90

- and national health statistics, 306
- Pregnancy  
See Women, pregnant
- Preventive care  
behavioral interventions in, 431-32  
of cancer, 170-71  
in community health centers, 177  
compliance regimes in, 433-34  
priority areas of, 170  
Primary care programs, 160, 176-77
- Protein energy malnutrition (PEM), 146
- Protozoans  
disease models of, 101
- Public health  
policy trends in, 299-300  
Public health prevention model for ischemic heart disease, 264-68, 273  
Public health programs  
family issues in, 215-17  
for ischemic heart disease reduction, 265-67  
national planning of, 299-300, 314-15  
for pregnant and nursing women, 4, 153-57, 213-17  
See also Fluoride ion caries prevention; Immunization; Screening
- Pulmonary disease  
chronic, obstructive  
deaths from, 50-51
- Pulmonary function  
air pollution effects on, 410-11, 422
- Q
- Quick Kato diagnostic technique, 111
- R
- Rabies vaccine, 364
- Race  
and access to physicians' care, 163, 165-67, 174  
with Medicaid coverage, 175-76  
and breast feeding practices, 153  
and dental care utilization, 172  
and dental health, 74, 83-84  
and health status, 162-63  
and infant mortality, 3-4  
in national statistical data, 321-22
- Radiation  
risks of in pregnancy, 4
- Radioactive tracers, 97
- Reactor Safety Study, 189-90
- Reinforcement procedures, 454-56  
See also Behavioral intervention
- Reproductive disorders  
from lead exposure, 291-92
- Respiratory disease  
air pollutants and, 402  
long-term effects of, 405-7, 414-22  
mortality effects of, 403-6  
short-term effects of, 406-14  
from sulfur oxides and particulates, 400-1  
assessment of, 422
- Rheumatic fever and rheumatic heart disease  
death rates from, 52  
treatment advances for, 56-57
- Risk  
assessment of, 31-32  
attributable and relative, 256-57  
legislative considerations of  
balancing with benefits, 192-95  
low as possible doctrine, 186-88  
no risk doctrine, 184-86  
setting levels without balancing, 188-92
- Risk factors  
in behavioral intervention, 436-37  
in childbirth  
social and medical origins of, 2-4  
See also Alcohol abuse; Cholesterol level; Drug abuse; Hypertension; Smoking  
"Risk role," 434  
River blindness, 104  
Robert Wood Johnson Foundation, 164  
Rockefeller Foundation, 104, 106, 109  
Rockefeller Sanitary Commission, 104  
Romania  
lead workers study in, 291-92
- Rubella  
immunization against, 375-79
- embriopathic potential of, 378-79  
reinfection problems of, 376-77  
transmissibility problems of, 376  
vaccine failures, 377-78  
vaccine-induced antibody persistence, 378  
and viremia, 375  
Melbourne epidemic, 209
- S
- Saccharin  
regulation of, 184-85
- Safety regulations, 187-88  
See also Accidents; Occupational hazards
- Schistosoma haematobium*, 104, 109-12
- Schistosoma japonicum*, 104, 109
- Schistosoma mansoni*, 104, 109-11
- Schistosomiasis, 101-4, 107-12  
control of, 108-12  
life cycle of, 109-10
- Scotland  
Glasgow  
lead level study, 292  
screening for spina bifida in, 36
- Screening  
cost benefits of, 33-34, 37-39, 43-44  
for hypertension, 35-36  
false results in, 33-34, 39, 41
- Health Hazard Appraisal (HHA) method, 42-45  
in ischemic heart disease prevention, 263
- Multiphasic (MPS), 37-42  
automated (AMPS), 37-39  
of newborn  
for  $\alpha_1$ -antitrypsin deficiency, 232  
for branched chain ketosiduria and galactosemia, 228-29  
for congenital hypothyroidism, 222-26  
for cystic fibrosis and Duchenne muscular dystrophy, 232  
for histidinemia, 230-31  
for homocystinuria, 229-30  
for PKU, 220-22, 226

# 500 SUBJECT INDEX

- for sickle cell anemia, 226-28, 232, 237
- for tyrosinemia, 231-32
- organizational and policy issues, 237
- coordination and centralization, 238
- informed consent, 239-40
- public participation, 238-39
- of pregnant women, 3-4, 15, 233-34
  - of maternal serum AFP, 233-37
  - of older women, 234-35
  - for single diseases, 32-37
  - criteria for, 34-37
  - predictive value, 34
  - sensitivity and specificity of, 33-34
- "Sentinel events," 356-57
- Sex
  - and dental health, 74, 84
  - and ischemic heart disease, 254-58, 267
  - and lung cancer incidence, 214-15
  - in national statistical data, 314, 320-21
  - and physician use patterns, 166-67
- See also Women
- Sick days
  - defining of, 336-37, 339
- Sickle cell anemia
  - screening for
    - communications failures in, 227-28
    - effective programs for, 232, 237
    - test evaluation, 227
    - for trait, 228
- "Sick role" 434
- Simplified Oral Hygiene Index (OHI-S), 83
- Sisters of Charity, 20
- Smallpox
  - eradication of, 363-68
- Smoking
  - behavioral intervention with, 42-43, 442-43, 450, 455, 457, 460-61, 464-66
  - cardiovascular risks of, 61, 63
  - changing habits of, 65-66, 270
  - and mortality rates, 214-15
  - and ischemic heart disease, 257-58
  - with cholesterol factor, 261-64
  - with cholesterol and hypertension, 258, 262-63
- and pregnancy, 4, 35, 205-9
  - and  $\alpha_1$ -antitrypsin deficiency in infants, 232
  - combined alcohol effects, 203
  - combined drug effects, 212
  - programs for reduction, 216-17
- and respiratory disease
  - in pollution studies, 423
- risks of
  - legislative response to, 186
  - and socioeconomic status, 406
- Social indicators
  - integration with health indicators, 305-8
- Society for Prospective Medicine, 42
- Socioeconomic indicators, 314, 342-45
  - and mortality indicators, 321-23
  - national systems of, 306-8, 314-15
- Sodium nitrite
  - regulation of, 185-86, 189
- South Dakota
  - pinworm study, 113
- Spina bifida
  - screening for, 35-36, 235-37
- States
  - hospital rate setting by
    - cost reporting in, 122
  - See also Medicaid; individual states by name
- Statistics
  - national systems of, 306
  - program and person specific, 313
  - See also Indexes, Indicators
- St. Lucia
  - schistosomiasis control in, 109, 112
- Stress
  - of illness, 94
  - technology and, 95-97
- Stress reactions, 432, 441
  - behavioral interventions with, 457, 459-60, 464
- Stroke
  - deaths from, 50-51, 53, 61
  - prevention of, 61, 267-68
  - reporting of, 59
  - See also Cardiovascular disease
- Strongyloides stercoralis*, 103-4
- Surveillance, 219-20
  - of abortuses, 242
  - of amniocenteses, 242-43
  - of chromosomal abnormalities, 240
  - clinical, 240-41
  - cytogenetic, 241-42
- Sweden
  - dental caries prevention study, 78, 81
  - neonate screening in, 232
  - polio vaccination in, 369
  - smelter workers study in, 291
- T
  - Taenia saginata*, 104
  - Taenia solium*, 104
  - Tapeworm infections, 103-4
- Technology
  - in birth process, 7-8
  - costs of, 98
  - development of, 93
  - hazards of, 97
  - patients' reactions to, 95-99
- Tennessee
  - Chattanooga
    - air pollution study, 417
  - Nashville
    - air pollution study, 408
- Tennessee Valley Authority
  - screening program, 39
- Teratogens, 209
  - detection of, 243
  - See also Mutagens
- Texas
  - Medicaid standards in, 175
  - Su Clinica Center, 10
- Third party payers
  - See Insurance coverage
- Tobacco use
  - See Smoking
- Toxic substances
  - See Hazardous substances
- Toxic wastes
  - pregnancy risks of, 4
- Treatment regimens, 436
  - compliance with, 433-34, 456, 465-66
  - and disease characteristics, 436
- Trematode infections, 104, 110
  - See also Helminth diseases; Schistosomiasis
- Trichinella spiralis*, 104
- Trichuris trichiura*, 103-4, 112
- Type A behavior, 60
  - behavioral intervention with, 437, 442, 460
- Tyrosinemia
  - screening for, 231-32

## U

## United Kingdom

- air pollution studies in, 415-16, 419-21
- amniocentesis study in, 234
- children of smokers survey in, 205
- Clean Air Act of 1956, 398, 403, 405
- Department of Health and Social Security, 318
- fetal screening program in, 221, 235, 238
- hospice movement in, 19-20, 22-23
- infant nutrition in, 151-52
- infant screening in, 221
- London
  - pollution episodes of 1952 and 1962, 403
  - pollution studies in, 404-5, 409-10
  - St. Joseph's Hospice, 20
  - National Health Service, 237
  - St. Christopher's Hospice, 22-23
- United Nations Development Program, 305
- United Nations Educational, Scientific and Cultural Organization, 305-6, 333
- United Nations Food and Agriculture Organization, 308
- household surveys
  - sponsorship, 305-6, 333
- United Nations Fund for Population Activities, 305-6
- United Nations International Children's Education Fund, 305-6, 333
- Alma-Ata Conference on Primary Health Care, 1978, 299-300, 302, 304-5, 308-11, 316, 320, 345
- United Nations Research Institute for Social Development, 311
- United Nations Statistical Office, 305, 308
- United Nations Technical Cooperation among Developing Countries program, 311
- United Nations World Conference for the Decade of Women, 214
- See also World Health Organization

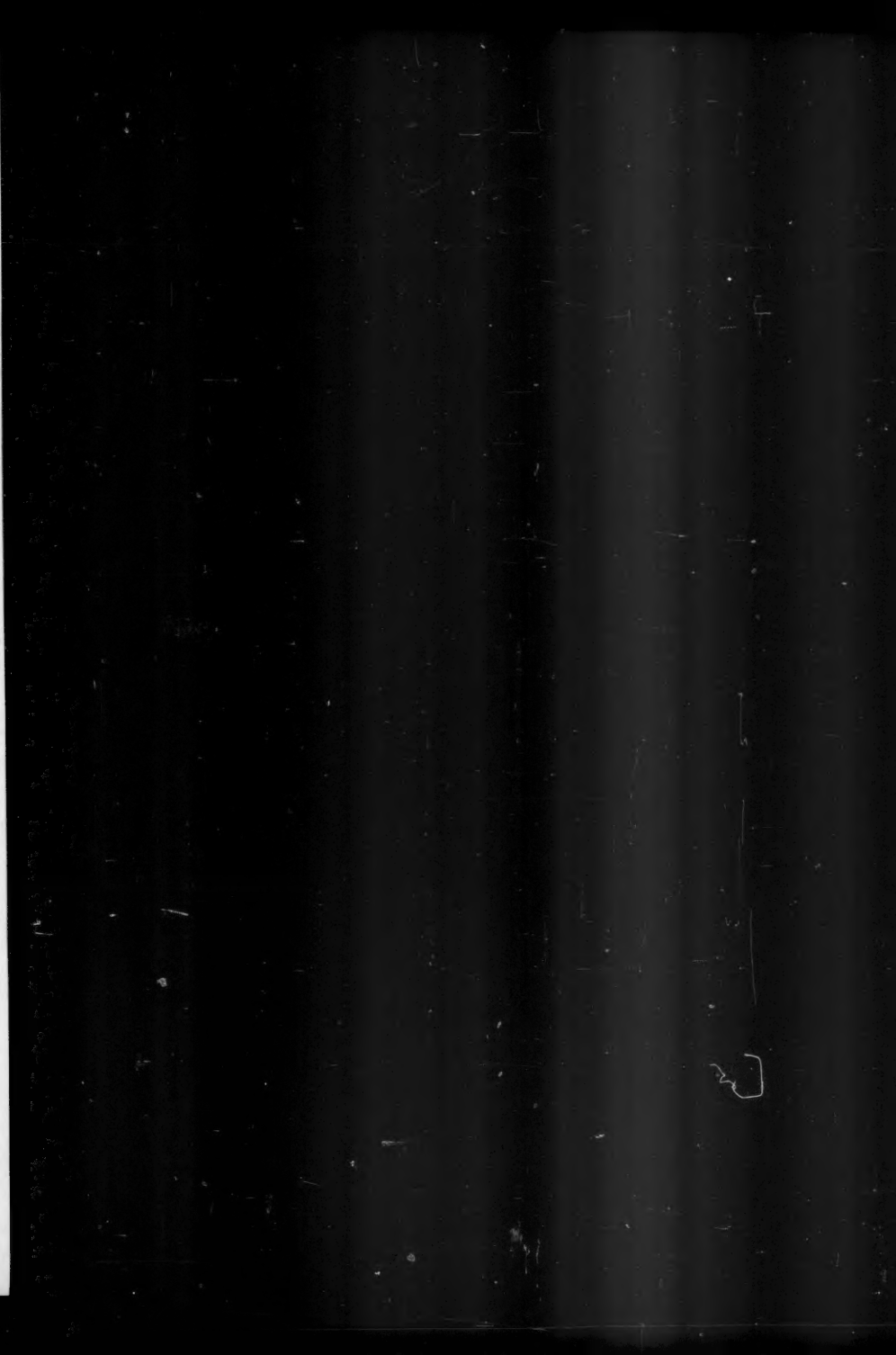
## United States

- amniocentesis study, 234
- birth processes in, 1-2
- centralization of, 15-16
  - at home, 10-11
  - in hospital, 4-10, 12-15
  - out of hospital, 11-12
- death processes in, 1-2
- dental expenditures in, 71
- dental health in, 74
- hospice movement in, 18-24
- infant feeding trends in, 147-53
  - program needs for, 153-57
- infant mortality in, 213-14
- infant screening in, 221, 238
- ischemic heart disease in, 254-56
  - intervention for reduction of, 257-58
- measles vaccination in, 370, 372-74
- metropolitan areas
  - air pollution study, 416
- neural tube defects in, 236-37
- periodontal health in, 83-84
- polio vaccination in, 365, 368-70
- See also individual states by name
- United States Center for Disease Control, 43
- United States government
  - Congress
    - and environmental legislation, 183, 195
  - Consumer Product Safety Commission, 193n
  - lead standards, 278
  - Court of Appeals, 195-97
  - Department of Health, Education and Welfare, 15
  - Childhood Immunization Initiative, 171
  - smoking studies, 205
  - Department of Health and Human Services
    - National Health Insurance Experiment, 167-68
  - Office of the Assistant Secretary of Planning and Evaluation, 177
  - smoking studies, 208
  - Special Panel for the Promotion of Child Health, 217
  - Environmental Protection Agency
    - air quality standards, 189, 193
    - lead regulations, 278, 280
    - pollutant effects surveys, 402
  - Federal Aviation Administration, 193
  - Food and Drug Administration
    - risk policy, 189, 194-95
    - saccharin policy, 184-85
    - and serum AFP screening reagents, 239
    - sodium nitrite policy, 185-86
  - Health Care Financing Administration, 140
  - See also Medicaid; Medicare
  - health programs, 173
  - gaps remaining in, 177-78
  - National Highway Transportation Safety Administration, 188-89, 192-93
  - Occupational Safety and Health Administration, 188
    - benzene regulations, 186, 195-96
    - cotton dust regulation, 183
    - generic carcinogen standards, 186-87
    - lead exposure standards, 277-78
  - Public Health Service
    - Advisory Committee on Immunization Practices, 369
    - and hospital planning, 5-6
  - Secretary of Labor
    - and environmental standards, 183-84
  - Supreme Court
    - and environmental legislation, 183-84, 186, 195-97
  - Veterans Administration
    - hypertension studies, 61, 64
- United States Immunization Survey, 1978, 172
- United States legislation
  - Clean Air Act of 1963, 397-98, 403, 405, 422-23
  - 1970 amendment, 398, 403
- Federal Insecticide, Fungicide and Rodenticide Act, 183n, 193n
- Food, Drug and Cosmetic Act, 183



# 502 SUBJECT INDEX

- Delaney Clause, 183, 185, 189, 192
- Hill Burton Act of 1946, 5
- National Genetic Diseases Act, 238
- Resource Conservation and Recovery Act, 193*n*
- Toxic Substances Control Act, 183*n*, 193*n*
- University Group Diabetes Program, 61-62
- Urinalysis, 38
  - cost benefit of, 43
- V
- Vaccination
  - See Immunization
- Varicella
  - eradication of, 363-68
- Virus
  - disease model of, 101
- Vitamins
  - A
    - childhood deficiency of, 146
  - D
    - and lead exposure, 281, 283, 294
  - See also Diet; Malnutrition
- W
- Washington State
  - Seattle
    - Heart Watch Program, 58
- Water supply
  - fluoride treatment of, 75, 80
  - lead contamination of, 278
    - EPA standards for, 280
    - Glasgow study of, 292
    - in national statistics, 342-43
    - and schistosomiasis infection, 107, 109-12
- West Virginia
  - New Cumberland
    - air pollution study, 408
- Whipworm, 103-4, 112
- Wisconsin
  - neonate screening in, 239
- Women
  - alcohol use by, 215
- lactating
  - anxiety-nursing failure syndrome in, 149, 151
  - counterproductive practices for, 155
  - let-down reflex in, 149-50, 155
  - prolactin reflex in, 145-49, 155
  - public health support for, 153-57
- lead exposure of, 281, 291, 294
- maternal mortality of, 314-15, 325, 356
- of minority groups
  - pregnancy risks of, 4
- older
  - pregnancy screening for, 234-35
- pregnant
  - alcohol abuse by, 202-5
  - amniocentesis of, 233-37, 242-43
  - diet of, 145-47
  - and drug abuse, 209-13
  - health service support for, 9-10, 156, 171
  - high-risk, 2-4, 16
  - rubella incidence in, 375, 378-79
  - screening of, 35, 233-37
  - smoking by, 205-9
  - weight control for, 147, 205-6
- preventive care for
  - and income, 170-71
- reproductive health of
  - public programs for, 213-14
- substance abuse by
  - public programs for, 214-15
- See also Birth process
- World Bank
  - household surveys
    - sponsorship by, 305-6, 333
- World Conference for the United Nations Decade for Women, 214
- World Health Assembly, 1977, 299
- World Health Organization
  - air pollutant studies, 402
  - Expert Committee of Health Statistics, 338
  - health goals of, 299-300
  - household surveys
    - sponsorship by, 305-6, 333
  - infant nutrition work of, 153, 156
  - International Collaborative Study of Medical Care Utilization, 337
  - Regional Office for Europe, 301
  - Regional Office for South-East Asia, 327
  - regional statistical organizations, 311
  - screening test criteria, 34, 37
  - and smallpox eradication, 365-66
- World Health Assembly, 1977, 299
  - Study Group on Financing of Health Services, 34
- World Health Organization/UNICEF
  - Alma-Ata Conference on Primary Health Care, 1978, 299-300, 302, 304-5, 308-11, 316, 320, 345
- Wuchereria bancrofti*, 102, 104
- X
- X-ray examination
  - hazards of, 97
- X-ray exposure
  - from screening exams, 36
- Y
- Yale Health Plan
  - case mix in, 131
- Yugoslavia
  - Belgrade
    - Federal Institute of Public Health, 338





## CONTENTS

(Note: Titles of chapters in Volumes 1-2 are arranged by category on pages 504-5.)

BIRTHING CENTERS AND HOSPICES: RECLAIMING BIRTH AND DEATH, <i>Roslyn Lindheim</i>	1
RISK ASSESSMENT AND HEALTH HAZARD APPRAISAL, <i>T. M. Vogt</i>	31
THE DECLINE IN CARDIOVASCULAR DISEASE MORTALITY, <i>Robert I. Levy</i>	49
PREVENTION OF DENTAL DISEASE: CARIES AND PERIODONTAL DISEASE, <i>Max H. Schoen and James R. Freed</i>	71
LAYMEN AND MEDICAL TECHNOLOGY, <i>Norman Cousins</i>	93
THE CONTROL OF HELMINTHS: NONREPLICATING INFECTIOUS AGENTS OF MAN, <i>Kenneth S. Warren</i>	101
THE COST OF AMBULATORY CARE IN ALTERNATIVE SETTINGS: A REVIEW OF MAJOR RESEARCH FINDINGS, <i>Stuart H. Altman and Elinor Socholitzky</i>	117
RECENT TRENDS IN INFANT FEEDING, <i>Derrick B. Jelliffe and E. F. Patrice Jelliffe</i>	145
ACCESS TO HEALTH CARE FOR THE POOR: DOES THE GAP REMAIN?, <i>Karen Davis, Marsha Gold, and Diane Makuc</i>	159
BALANCING ECONOMICS AND HEALTH IN SETTING ENVIRON- MENTAL STANDARDS, <i>Lester B. Lave</i>	183
MATERNAL BEHAVIOR AND PERINATAL RISKS: ALCOHOL, SMOKING, AND DRUGS, <i>I. M. Cushner</i>	201
ISSUES IN ANTENATAL AND NEONATAL SCREENING AND SURVEILLANCE FOR HEREDITARY AND CONGENITAL DISORDERS, <i>Neil A. Holtzman, Claire O. Leonard, and Mark R. Farfel</i>	219
PRIMARY PREVENTION OF ISCHEMIC HEART DISEASE: EVALUATION OF COMMUNITY INTERVENTIONS, <i>Warren Winkelstein, Jr. and Michael Marmot</i>	253

THE HEALTH EFFECTS OF LOW LEVEL EXPOSURE TO LEAD, <i>Herbert L. Needleman and Philip J. Landrigan</i>	277
HEALTH INDICATORS AND INFORMATION SYSTEMS FOR THE YEAR 2000, <i>Jane H. Murnaghan</i>	299
IMMUNIZING AGENTS: POTENTIAL FOR CONTROLLING OR ERADICATING INFECTIOUS DISEASES, <i>Paul F. Wehrle and Jeanette Wilkins</i>	363
AIR POLLUTION AND RESPIRATORY DISEASE, <i>Alice S. Whittemore</i>	397
BEHAVIORAL INTERVENTIONS AND COMPLIANCE TO TREATMENT REGIMES, <i>R. C. Benfari, E. Eaker, and J. G. Stoll</i>	431
INDEXES	
Author Index	473
Subject Index	489
Cumulative Index of Contributing Authors, Volumes 1-2	503
Cumulative Index of Chapter Titles, Volumes 1-2	504